

# Balances

## TABLE OF CONTENTS

### Rice Lake

|              |    |
|--------------|----|
| ANALYTICAL   |    |
| TA Plus..... | 42 |

|                         |    |
|-------------------------|----|
| LEGAL FOR TRADE         |    |
| TE Enhanced Series..... | 43 |

|                         |    |
|-------------------------|----|
| TOPLOADER               |    |
| TS Series Washdown..... | 44 |
| TP Series.....          | 45 |
| TC Series.....          | 46 |
| Equipoise® Series.....  | 47 |

### A&D Weighing

|                 |    |
|-----------------|----|
| MASS COMPARATOR |    |
| MC Series.....  | 48 |

|                        |    |
|------------------------|----|
| MICRO / SEMI-MICRO     |    |
| Ion BM Series.....     | 49 |
| Phoenix GH Series..... | 50 |
| Gemini GR Series.....  | 51 |

|                        |    |
|------------------------|----|
| ANALYTICAL             |    |
| Ion BM Series.....     | 52 |
| Phoenix GH Series..... | 53 |
| Gemini GR Series.....  | 54 |
| HR-AZ/A Series.....    | 55 |
| Orion HR Series.....   | 56 |
| AD-4212A Series.....   | 57 |
| Apollo GF Series.....  | 58 |
| Apollo GX Series.....  | 59 |

|                  |    |
|------------------|----|
| LEGAL FOR TRADE  |    |
| GF-P Series..... | 60 |
| FX-i Series..... | 61 |
| EK-i Series..... | 62 |
| EW-i Series..... | 63 |

|                             |    |
|-----------------------------|----|
| PRECISION                   |    |
| Apollo GX Series.....       | 64 |
| Apollo GF Series.....       | 65 |
| FX-iWP Series Washdown..... | 66 |
| FX-i Series.....            | 67 |
| AD-4212A Series.....        | 68 |

|                             |    |
|-----------------------------|----|
| TOPLOADER                   |    |
| FX-i Series.....            | 69 |
| Apollo GX Series.....       | 70 |
| Apollo GF Series.....       | 71 |
| FX-iWP Series Washdown..... | 72 |
| EJ Newton Series.....       | 73 |
| EK-i Series.....            | 74 |
| EW-i Series.....            | 75 |

|                  |    |
|------------------|----|
| HIGH CAPACITY    |    |
| GX-M Series..... | 76 |
| GF-M Series..... | 77 |
| GP Series.....   | 78 |

|                    |    |
|--------------------|----|
| INTRINSICALLY SAFE |    |
| EK-AEP Series..... | 80 |

|                                    |    |
|------------------------------------|----|
| MOISTURE ANALYZERS                 |    |
| MS-70 / MX-50 / MF-50 / ML-50..... | 81 |

|                   |    |
|-------------------|----|
| STATIC ELIMINATOR |    |
| AD-1683.....      | 82 |

### Ohaus

|                       |    |
|-----------------------|----|
| SEMI-MICRO            |    |
| Explorer® Series..... | 83 |

|                         |    |
|-------------------------|----|
| ANALYTICAL              |    |
| Pioneer® PX Series..... | 84 |
| Explorer® Series.....   | 85 |
| Adventurer® Series..... | 86 |

|                         |    |
|-------------------------|----|
| LEGAL FOR TRADE         |    |
| Scout® SJX Series.....  | 87 |
| Valor® 7000 Series..... | 88 |
| Adventurer® Series..... | 89 |

|                         |    |
|-------------------------|----|
| PRECISION               |    |
| Adventurer® Series..... | 90 |
| Pioneer® PX Series..... | 91 |
| Explorer® Series.....   | 92 |
| Scout® Series.....      | 93 |

|   |     |
|---|-----|
| TOPLOADER                               |     |
| Pioneer® PX Series.....                 | 94  |
| Explorer® Series.....                   | 95  |
| Adventurer® Series.....                 | 96  |
| Navigator® XT Series.....               | 97  |
| Scout® Series.....                      | 98  |
| Valor® 3000 Xtreme Series.....          | 100 |
| Valor® 3000 Xtreme Series Washdown..... | 101 |
| Valor® 2000 Series Washdown.....        | 102 |
| Compass CX Series.....                  | 103 |
| Compass CR Series.....                  | 104 |
| HH Series.....                          | 105 |
| YA Series.....                          | 106 |
| Valor® 1000 Series.....                 | 107 |

|                       |     |
|-----------------------|-----|
| HIGH CAPACITY         |     |
| Explorer® Series..... | 108 |

|                                    |     |
|------------------------------------|-----|
| MECHANICAL                         |     |
| Triple Beam.....                   | 109 |
| Harvard Trip Balance.....          | 110 |
| Dial-O-Gram® and Cent-O-Gram®..... | 111 |
| Field Test Scale.....              | 112 |
| Heavy Duty Solution.....           | 112 |

|                   |     |
|-------------------|-----|
| MOISTURE ANALYZER |     |
| MB Series.....    | 113 |

### Sartorius

|                           |     |
|---------------------------|-----|
| ULTRA-MICRO / MICRO       |     |
| Cubis® II Series MCA..... | 114 |
| Cubis® II Series MCE..... | 115 |

|                              |     |
|------------------------------|-----|
| SEMI-MICRO                   |     |
| Cubis® II MCA Series.....    | 116 |
| Cubis® II MCE Series.....    | 117 |
| Quintix / Secura Series..... | 118 |

|  |     |
|--|-----|
| ANALYTICAL                             |     |
| Practum / Quintix / Secura Series..... | 119 |
| Cubis® II MCA Series.....              | 120 |
| Cubis® II MCE Series.....              | 121 |
| Entris® II Series Basic Essential..... | 122 |
| Entris® II Series Basic Advanced.....  | 123 |

|  |     |
|--|-----|
| LEGAL FOR TRADE                        |     |
| Entris® II Series Basic Essential..... | 124 |
| Secura Series.....                     | 125 |

|  |     |
|--|-----|
| PRECISION                              |     |
| Cubis® II Series MCA.....              | 126 |
| Cubis® II Series MCE.....              | 127 |
| Entris® II Series Basic Essential..... | 128 |
| Entris® II Series Basic Advanced.....  | 129 |
| Practum / Quintix / Secura Series..... | 130 |

|  |     |
|--|-----|
| TOPLOADER                              |     |
| Practum / Quintix / Secura Series..... | 131 |
| Cubis® II Series MCA.....              | 132 |
| Cubis® II Series MCE.....              | 133 |
| Entris® II Series Basic Essential..... | 134 |
| Entris® II Series Basic Advanced.....  | 135 |

|                                  |     |
|----------------------------------|-----|
| MOISTURE ANALYZER                |     |
| MA35, MA37 and MA160 Series..... | 136 |

### Accessories

|  |     |
|--|-----|
| ADAPTER CABLE, RS-232/<br>USB KEYBOARD INPUT |     |
| AbleCable®.....                              | 137 |

|                                 |     |
|---------------------------------|-----|
| DATA CAPTURE AND STORAGE        |     |
| Go-Between™.....                | 138 |
| Kasota Stone Balance Slab.....  | 139 |
| Kasota Stone Balance Table..... | 139 |
| Granite Clean Room Table.....   | 139 |
| Anti-Vibration Pad.....         | 140 |
| Scoops.....                     | 140 |

|  |     |
|--|-----|
| STATIC BRUSHES, IONIZING STRIPS<br>AND ACCESSORIES |     |
| Static Control.....                                | 141 |

### Standard Features

- Internal calibration
- Anti-electrostatic 360° transparent windshield
- Eight-digit, 16.5 mm high liquid crystal display (LCD) with backlight
- Single-touch response setting for environment
- 40-step bar graph display
- RS-232 interface for connecting to printer or PC
- ISO/GLP/GMP compliant printing record
- Underweigh hook included
- Plastic housing

### Specifications

#### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound (See technical manual for complete listing)

#### Operating Modes:

Counting, Percentage, Limit Function (Checkweighing), Specific Gravity

#### Power:

120 V AC adapter

#### RS-232:

Baud rate - 1200/2400/4800/9600/19200 bps, 8/7 data bits, Parity bit-None/Odd/Even

#### Calibration Weight:

TA Plus-124: 120 g  
TA Plus-224: 220 g

#### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C) 80% RH or lower

#### Est. Weight:

6.4 lb (2.9 kg)

#### Warranty:

Five-year limited

#### Return Policy:

Rice Lake Standard Policy

| Model       | Capacity | Readability | Repeatability | Linearity  | Pan Size          | Weighing Chamber               | Dimensions                            | Part # | List Price |
|-------------|----------|-------------|---------------|------------|-------------------|--------------------------------|---------------------------------------|--------|------------|
| TA Plus-124 | 120 g    | 0.0001 g    | 1 division    | 1 division | Ø 3.15 in (80 mm) | 225 mm H × 213 mm W × 213 mm D | 11 × 7.9 × 12 in (290 × 200 × 306 mm) | 196569 | \$2,140.00 |
| TA Plus-224 | 220 g    | 0.0001 g    | 1 division    | 1 division | Ø 3.15 in (80 mm) | 225 mm H × 213 mm W × 213 mm D | 11 × 7.9 × 12 in (290 × 200 × 306 mm) | 196570 | \$2,055.00 |

### Options/Accessories

| Part # | Description                                   | Price    |
|--------|---|----------|
| 108255 | 115 VAC adapter                               | \$55.00  |
| 108256 | 230 VAC adapter                               | \$83.00  |
| 108257 | In-use cover                                  | \$55.00  |
| 107398 | Additional operating manual                   | \$17.00  |
| 75351  | WinWedge® Tal software                        | \$345.00 |
| 66535  | Null modem cable                              | \$46.00  |
| 119919 | AbleCable, requires null modem cable PN 66535 | \$190.00 |



# TE Enhanced Series

## Standard Features

- External weight calibration
- Seven-segment (main)/16-segment (sub) display
- Selectable modes: Weighing, Counting, Percentage, Coefficient, Specific Gravity, Statistics, Animal and Formulation
- Mono-metal tuning fork technology (MMTF) provides quick response and stability
- 30-step bar graph display
- AA dry-cell port, (150 hours continuous use with LCD backlight and communication signal ON)
- RS-232 interface for connecting to printer or PC
- Glass breeze break (TE-223, TE-322NC and TE-623 only)

## Specifications

### Weighing Units:

Milligram, Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce (See technical manual for complete listing)

### Operating Modes:

Weighing, Counting, Percentage, Coefficient, Specific Gravity, Statistics, Animal, Formulation

### Power:

100 to 240 V AC adapter, AA dry cell (batteries not included)

### Operating Temperature:

41 °F to 95 °F (5 °C to 35 °C)

### Est. Weight:

TE-223 / 322NC: 6.5 lb (3 kg)  
TE-623 / 3202 / 6202 / 15001 / 1501NC / 8200NC: 6.0 lb (2.7 kg)

### Warranty:

Five-year limited

### Return Policy:

Rice Lake standard policy

### Approvals:

NTEP Certified CC 17-104  
Measurement Canada AM-6169



| Model   | Capacity | Resolution | NTEP Resolution | Pan Size                    | Weighing Chamber               | Dimensions                                | Part # | List Price |
|---|----------|------------|-----------------|-----------------------------|--------------------------------|---|--------|------------|
| <b>NTEP Certified Only</b>                            |          |            |                 |                             |                                |   |        |            |
| TE-223  | 220 g    | 0.001 g    | 0.01 g          | 4.6 in (118 mm)             | 226 mm H x 150 mm W x 150 mm D | 10.6 x 8.1 x 11.8 in (270 x 208 x 301 mm) | 187600 | \$1,140.00 |
| TE-623  | 620 g    | 0.001 g    | 0.01 g          | 4.6 in (118 mm)             | N/A                            | 10.6 x 8.1 x 11.8 in (270 x 208 x 301 mm) | 186030 | \$1,500.00 |
| TE-3202   | 3,200 g  | 0.01 g     | 0.1 g           | 6.3 x 7.1 in (160 x 180 mm) | N/A                            | 10.4 x 7.5 x 3.4 in (265 x 192 x 86 mm)   | 186035 | \$1,240.00 |
| TE-6202   | 6,200 g  | 0.01 g     | 0.1 g           | 6.3 x 7.1 in (160 x 180 mm) | N/A                            | 10.4 x 7.5 x 3.4 in (265 x 192 x 86 mm)   | 186036 | \$1,240.00 |
| TE-15001  | 15,000 g | 0.1 g      | 1.0 g           | 6.3 x 7.1 in (160 x 180 mm) | N/A                            | 10.4 x 7.5 x 3.4 in (265 x 192 x 86 mm)   | 186037 | \$1,200.00 |
| <b>NTEP Certified and Measurement Canada Approved</b> |          |            |                 |                             |                                |   |        |            |
| TE-322NC  | 320 g    | 0.01 g     | 0.01 g          | 4.6 in (118 mm)             | 226 mm H x 150 mm W x 150mm D  | 10.6 x 8.1 x 11.8 in (270 x 208 x 301 mm) | 204688 | \$1,110.00 |
| TE-1501NC   | 1,500 g  | 0.1 g      | 0.1 g           | 6.3 x 7.1 in (160 x 180 mm) | N/A                            | 10.4 x 7.5 x 3.4 in (265 x 192 x 86 mm)   | 204689 | \$1,210.00 |
| TE-8200NC   | 8,200 g  | 1 g        | 1 g             | 6.3 x 7.1 in (160 x 180 mm) | N/A                            | 10.4 x 7.5 x 3.4 in (265 x 192 x 86 mm)   | 204690 | \$1,210.00 |

## Options/Accessories

| Part#  | Description                                 | Price    |
|--------|---|----------|
| 186074 | Power supply 100-240 VAC, 50-60 Hz          | \$71.00  |
| 186075 | In-use dust cover 623 g models and lower    | \$28.50  |
| 186076 | In-use dust cover 3,200 g models and higher | \$28.50  |
| 186077 | Specific Density Measurement Kit            | \$655.00 |
| 186079 | Ethernet TCP/IP option card                 | \$655.00 |



BALANCES  
RICE LAKE

# TS Series Washdown

## Standard Features

- Stainless steel, IP65 top housing
- Large, 18 mm liquid crystal display (LCD) with backlight
- Selectable modes
- 13 units of measurement
- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Washdown with IP65 rating
- 115 VAC adapter included (230 VAC optional)
- Semi-automatic calibration, external weight
- RS-232 interface for connecting to printer or PC

## OPTIONS

- Battery holder
- Underweigh hook
- Waterproof RS-232 cable

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound (See technical manual for complete listing)

### Operating Modes:

Weight, Count, Percentage, Limit Function (Checkweighing)

### Power:

120 V AC (adapter included)

### Battery Option:

Nickel-cadmium battery, 12-hour run time, 24-hour charge time

### RS-232 Baud Rate:

1200/2400/2800/9600;  
Data bits - 8, Connector - DIN 5-pin

### Calibration Weight:

TP-620: 600 g  
TP-6200: 6,000 g  
TP-8200: 8,000 g

### Operating Temperature:

41 °F to 95 °F (5 °C to 35 °C)

### Est. Weight:

6.2 lb (2.8 kg)

### Warranty:

Five-year limited

### Return Policy:

Rice Lake standard policy

| Model   | Capacity | Resolution | Calibration | Part # | List Price |
|---------|----------|------------|-------------|--------|------------|
| TS-620  | 620 g    | 0.01 g     | 600 g       | 108156 | \$1,440.00 |
| TS-6200 | 6,200 g  | 0.1 g      | 6,000 g     | 108157 | \$1,550.00 |
| TS-8200 | 8,200 g  | 0.1 g      | 8,000 g     | 112182 | \$1,630.00 |

## Options/Accessories

| Part # | Description  | Price    |
|--------|--|----------|
| 108499 | AC adapter, multi-range 110:230 VAC, 6 VDC                       | \$55.00  |
| 72440  | 9-pin D-sub F-25-Pin D-sub connector                             | \$67.00  |
| 22436  | 9-pin D-sub F to blunt end                                       | \$67.00  |
| 66535  | Null modem cable   | \$46.00  |
| 119064 | Slimline adapter, null modem gender changer                      | \$11.75  |
| 109236 | Underweigh hook  | \$28.50  |
| 109238 | Waterproof RS-232 cable  | \$380.00 |
| 109050 | Additional operating manual                                      | \$17.00  |
| 112611 | Battery operator manual  | \$6.50   |
| 112516 | Battery holder option, requires Four AA batteries (not included) | \$115.00 |
| 119919 | AbleCable, requires null modem cable PN 66535                    | \$190.00 |

BALANCES  
RICE LAKE



PN 108499 Multi-range AC adapter and multi-plug



## Standard Features

- External weight calibration
- Large, 16.5 mm-high backlit liquid crystal display (LCD)
- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- 20-step bar graph display
- One part in 620,000 resolution
- RS-232 interface for connecting to printer or PC
- Plastic housing on models <1,000 g
- Plastic top and die-cast bottom on models >1,000 g

## OPTIONS

- Rechargeable battery
- Under-hook weighing

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound (See technical manual for complete listing)

### Operating Modes:

Weight, Count, Percentage, Limit Function (Checkweighing)

### Power:

120 V AC (adapter included)

### Battery Option:

Nickel-cadmium battery, 12-hour run time, 24-hour charge time

### RS-232 Baud Rate:

1200/2400/2800/9600; Data bits - 8, Connector - DIN 5-pin

### Calibration Weight:

TP-220: 200 g  
 TP-820: 800 g  
 TP-3200: 3,000 g  
 TP-8200: 8,000 g  
 TP-12K: 12,000 g

### Operating Temperature:

41 °F to 95 °F (5 °C to 35 °C)

### Est. Weight:

6.2 lb (2.8 kg)

### Warranty:

Five-year limited

### Return Policy:

Rice Lake standard policy

| Model   | Capacity | Readability | Repeatability | Linearity  | Pan Size                       | Weighing Chamber              | Dimensions   | Part # | List Price |
|---------|----------|-------------|---------------|------------|--------------------------------|-------------------------------|--|--------|------------|
| TP-220  | 220 g    | 0.001 g     | 1 division    | 1 division | Ø 4.6 in (117 mm)              | 170 mm W × 140 mm D × 95 mm H | 9.2 × 7.1 × 6.6 in (including windshield) (235 × 182 × 170 mm) | 107244 | \$1,110.00 |
| TP-820  | 820 g    | 0.01 g      | 1 division    | 1 division | 6.6 in × 5.5 in (168 × 140 mm) | N/A                           | 9.2 × 7.1 × 2.9 in (235 × 182 × 75 mm)                         | 107245 | \$1,110.00 |
| TP-3200 | 3,200 g  | 0.01 g      | 1 division    | 1 division | 7 in × 6.2 in (178 × 158 mm)   | N/A                           | 10.1 × 7.5 × 3.4 in (265 × 192 × 87 mm)                        | 107246 | \$1,250.00 |
| TP-8200 | 8,200 g  | 0.1 g       | 1 division    | 1 division | 7 in × 6.2 in (178 × 158 mm)   | N/A                           | 10.1 × 7.5 × 3.4 in (265 × 192 × 87 mm)                        | 107247 | \$1,110.00 |
| TP-12K  | 12,000 g | 0.1 g       | 1 division    | 1 division | 7 in × 6.2 in (178 × 158 mm)   | N/A                           | 10.1 × 7.5 × 3.4 in (265 × 192 × 87 mm)                        | 107248 | \$1,280.00 |

## Options/Accessories

| Part # | Description                           | Price    |
|--------|---------------------------------------|----------|
| 107249 | Rechargeable battery ≤TP-820          | \$115.00 |
| 107237 | Rechargeable battery ≥TP-3200         | \$115.00 |
| 107250 | In-use dust cover ≥TP-3200            | \$28.50  |
| 107240 | In-use dust cover ≤TP-820             | \$28.50  |
| 109236 | Underweigh hook ≤TP-820               | \$28.50  |
| 109292 | Underweigh hook ≥TP-3200              | \$28.50  |
| 42566  | 115 VAC adapter/12 VDC                | \$72.00  |
| 42168  | 230 VAC adapter                       | \$78.00  |
| 107251 | Additional operating manual           | \$17.00  |
| 75351  | WinWedge® Tal software                | \$345.00 |
| 115303 | 5-pin to 9-pin DB female RS-232 cable | \$105.00 |



BALANCES  
RICE LAKE

### Standard Features

- Large, 16.5 mm-high, backlit liquid crystal display (LCD)
- 12 units of measurement
- Mono-metal tuning fork sensor (MMTF) provides quick response and stability
- 20-step bar graph display
- Semi-automatic calibration, external weight
- Plastic housing on models <1,000 g
- Plastic top and die- cast bottom on models >1,000 g

### Specifications

**Weighing Units:**

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound (See technical manual for complete listing)

**Operating Modes:**

Weight, Count, Percentage, Limit Function (Checkweighing)

**Power:**

115 V AC adapter included (230 V AC optional)

**Operating Temperature :**

41 °F to 95 °F (5 °C to 35 °C)

**Calibration Weight:**

TC-620: 600 g  
 TC-1200: 1,200 g  
 TC-4200: 4,000 g  
 TC-6200: 6,200 g

**Est. Weight:**

TC-620: 2.9 lb (1.3 kg)  
 TC-1200: 2.9 lb (1.3 kg)  
 TC-4200: 5.9 lb (2.7 kg)  
 TC-6200: 5.9 lb (2.7 kg)

**Warranty:**

Five-year limited

**Return Policy:**

Rice Lake standard policy

| Model   | Capacity | Readability | Repeatability | Linearity  | Pan Size                    | Dimensions                              | Part # | List Price |
|---------|----------|-------------|---------------|------------|-----------------------------|---|--------|------------|
| TC-620  | 620 g    | 0.01 g      | 1 division    | 1 division | Ø 5.5 in (140 mm)           | 9.2 × 7.1 × 2.9 in (234 × 180 × 74 mm)  | 107232 | \$775.00   |
| TC-1200 | 1,200 g  | 0.1 g       | 1 division    | 1 division | 6.7 × 5.6 in (170 × 142 mm) | 10.4 × 7.5 × 3.4 in (264 × 191 × 86 mm) | 107233 | \$710.00   |
| TC-4200 | 4,200 g  | 0.1 g       | 1 division    | 1 division | 7 × 6.2 in (178 × 158 mm)   | 10.4 × 7.5 × 3.4 in (264 × 191 × 86 mm) | 107234 | \$775.00   |
| TC-6200 | 6,200 g  | 0.1 g       | 1 division    | 1 division | 7 × 6.2 in (178 × 158 mm)   | 10.4 × 7.5 × 3.4 in (264 × 191 × 86 mm) | 107235 | \$835.00   |

### Options/Accessories

| Part # | Description  | Price    |
|--------|--|----------|
| 107236 | Rechargeable battery TC-620, TC-1200, 32 hr  | \$115.00 |
| 107237 | Rechargeable battery TC-4200, TC-6200, 32 hr   | \$115.00 |
| 107238 | RS-232 option with DIN-5-pin connector (not compatible with battery option) (TC-620, TC-1200)  | \$140.00 |
| 107239 | RS-232 option with DIN-5-pin connection (not compatible with battery option) (TC-4200,TC-6200) | \$140.00 |
| 107240 | In-use dust cover, 620 g to 1,200 g  | \$28.50  |
| 107250 | In-use dust cover, 4,200 g to 6,200 g  | \$28.50  |
| 109236 | Underweigh hook TC-620, TC-1200  | \$28.50  |
| 109292 | Underweigh hook TC-4200, TC-6200   | \$28.50  |
| 42566  | 120 VAC adapter/12 VDC   | \$72.00  |
| 42168  | 230 VAC adapter  | \$78.00  |
| 107243 | Additional operating manual  | \$17.00  |
| 75351  | WinWedge® software   | \$345.00 |
| 115303 | 5-pin DIN to DB9F RS-232 cable   | \$105.00 |
| 115148 | RS-232 manual  | \$6.50   |

BALANCES  
RICE LAKE



## Standard Features

- LCD display
- Quick response
- Accumulation, counting and percentage modes
- 13 different units of measure
- Detachable enclosed weighing chamber (in capacities =1 kg)
- Battery operation for up to 40 hours of continuous use (without backlight)
- RS-232 interface for connecting to printer or PC
- Plastic enclosure

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Accumulation

### Power:

AC adapter (12 V/500 mA); internal rechargeable battery (6 V/1.2 Ah)

### Stabilization Time:

2 seconds

### Operating Temperature:

32 °F to 104 °F (0 °C to 40 °C)

### Calibration Weight:

EQ-300: 300 g, EQ-600: 600 g, EQ-1500: 1,500 g  
EQ-3000: 3,000 g, EQ-6000: 6,000 g

### Est. Weight:

6.6 lb (3 kg)

### Battery Life:

Up to 40 hours of continuous use (without backlight)

### Return Policy:

Rice Lake standard policy

### Warranty:

One-year limited

### Approval:

CE Marked



| Model   | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                          | Pan Size                       | Part # | List Price |
|---------|----------|-------------|---------------|-----------|---|--------------------------------|--------|------------|
| EQ-300  | 300 g    | 0.01 g      | 0.01 g        | 0.02 g    | 6.7 × 5.7 × 3.1 in<br>(170 × 145 × 80 mm) | Ø 4.7 in<br>(Ø 120 mm)         | 165338 | \$305.00   |
| EQ-600  | 600 g    | 0.02 g      | 0.02 g        | 0.04 g    | 6.7 × 5.7 × 3.1 in<br>(170 × 145 × 80 mm) | Ø 4.7 in<br>(Ø 120 mm)         | 165339 | \$305.00   |
| EQ-1500 | 1,500 g  | 0.05 g      | 0.05 g        | 0.1 g     | N/A                                       | 4.8 × 5.6 in<br>(122 × 142 mm) | 165340 | \$305.00   |
| EQ-3000 | 3,000 g  | 0.1 g       | 0.1 g         | 0.2 g     | N/A                                       | 4.8 × 5.6 in<br>(122 × 142 mm) | 165341 | \$305.00   |
| EQ-6000 | 6,000 g  | 0.2 g       | 0.2 g         | 0.4 g     | N/A                                       | 4.8 × 5.6 in<br>(122 × 142 mm) | 165342 | \$305.00   |

## Options/Accessories

| Part#  | Description                                    | Price    |
|--------|--|----------|
| 41279  | Printer cable, DB9M to 25-pin M                | \$70.00  |
| 103142 | SP742 dot matrix printer, tear bar             | \$520.00 |
| 119919 | AbleCable RS-232/USB cable (requires 130789)   | \$190.00 |
| 130789 | Slim line null modem adapter                   | \$13.75  |
| 131135 | Aluminum case                                  | \$103.00 |
| 165183 | AC adapter, 110-240 VAC, interchangeable plugs | \$46.00  |



PN 165183 Multi-range AC adapter and multi-plug



# MC Series

## Standard Features

- Super hybrid sensor technology
- Bright VFD display
- Manage ASTM and OIML weights
- Underhook weighing
- Built-in calibration weight
- GLP/LIM/ISO compliant
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Pound/Ounce (See technical manual for complete listing)

### Operating Modes:

Weighing, Percentage, Comparator

### Power:

120/240 AC adapter

### Stabilization Time:

5 seconds

### Sensitivity Drift (10 °C to 30 °C):

MC-1000S, MC-6100, MC-10K: ±2 ppm/°C  
MC-30K: ±3 ppm/0 °C

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Calibration Weight:

MC-1000S: 1,000 g  
MC-6100: 6,000 g  
MC-10K: 10 kg  
MC-30K: 30 kg

### Est. Weight:

MC-1000S: 4.6 kg  
MC-6100: 5.1 kg  
MC-10K and MC-30K: 9.3 kg

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability                      | Linearity | Pan Size                        | Dimensions                                    | Part # | List Price |
|----------|----------|-------------|------------------------------------|-----------|---------------------------------|---|--------|------------|
| MC-1000S | 1,100 g  | 0.1 mg      | 0.0005 g / 1 kg / 0.0004 g / 500 g | ±0.002 g  | 5.04 × 5.04 in<br>128 × 128 mm  | 8.27 × 12.48 × 3.39 in<br>210 × 317 × 86 mm   | 151262 | \$6,470.00 |
| MC-6100  | 6,100 g  | 0.001 g     | 0.004 g / 5 kg / 0.0015 g / 2 kg   | ±0.02 g   | 5.79 × 5.79 in<br>147 × 147 mm  | 10.63 × 8.27 in<br>270 × 210 mm               | 151263 | \$6,475.00 |
| MC-10K   | 10.1 kg  | 0.001 g     | 0.005 g / 10 kg / 0.004 g / 5 kg   | ±0.03 g   | 10.63 × 8.27 in<br>270 × 210 mm | 11.81 × 13.80 × 4.37 in<br>300 × 355 × 111 mm | 151264 | \$7,750.00 |
| MC-30K   | 31 kg    | 0.01 g      | 0.015 g / 20 kg                    | ±0.2 g    | 10.63 × 8.27 in<br>270 × 210 mm | 10.63 × 10.63 in<br>270 × 210 mm              | 151265 | \$7,750.00 |

## Options/Accessories

| Part # | Model #         | Description  | Price      |
|--------|-----------------|--|------------|
| 151266 | AX-MC1000PAN    | Auto center pan, MC-1000S                              | \$1,205.00 |
| 151267 | AX-MC6100PAN    | Auto center pan, MC-6100                               | \$1,205.00 |
| 151268 | AX-MC10K-30KPAN | Auto center pan, MC-10/30K                             | \$1,540.00 |
| 151247 | AD-1688         | Data logger  | \$320.00   |
| 97649  | TB-648          | AC adapter (120V/220V)                                 | \$45.00    |
| 97695* | GX-04           | Comparator output, factory installed                   | \$274.00   |
| 97696* | GX-06           | Analog output, factory installed                       | \$866.00   |
| 97699  | GX-12           | Animal weigh pan                                       | \$191.00   |
| 97700  | GX-13           | Density determination for MC-1000S                     | \$660.00   |
| 97607  | AD-1682         | External rechargeable battery pack                     | \$710.00   |
| 97612  | SW-128          | Foot switch  | \$85.00    |
| 196128 | AD-8127         | Impact dot matrix, statistical printer, includes cable | \$890.00   |

\* Only one option may be installed and requires factory installation





# Ion BM Series

## Standard Features

- Built-in fanless static eliminator
- Underhook weighing
- Anti-static glass
- Weighing chamber
- Built-in motorized calibration weight
- One-touch environmental filters
- GLP/LIM/ISO compliant
- RS-232C and WinCT© software standard
- AD-1688 Weighing Data Logger included

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce (See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120/240 AC adapter

### Stabilization Time:

BM-20: 10 seconds (typically)

BM-22: 8 to 10 seconds

BM-252: 8 seconds

### Sensitivity Drift (10° C to 30° C):

±2 ppm/° C (when automatic self-calibration is not used)

### Calibration Weight:

BM-20 and BM-22: 20 g

BM-252: 200 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C), 85% RH or less (no condensation)

### Est. Weight:

10 kg (ships by motor freight)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity     | Readability               | Repeatability      | Linearity              | Pan Size             | Dimensions                                    | Part # | List Price  |
|--------|--------------|---------------------------|--------------------|------------------------|----------------------|---|--------|-------------|
| BM-20  | 22 g         | 0.000001 g                | 0.0025 mg          | ±0.010 mg              | 25 mm<br>(Ø 0.98 in) | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150762 | \$17,025.00 |
| BM-22  | 22 g / 5.1 g | 0.00001 g /<br>0.000001 g | 0.004 mg / 0.01 mg | ±0.010 mg /<br>0.02 mg | 25 mm<br>(Ø 0.98 in) | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150763 | \$16,165.00 |
| BM-252 | 250 g        | 0.00001 g                 | 0.03 mg            | ±0.010 mg              | 90 mm<br>(Ø 3.6 in)  | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150765 | \$8,610.00  |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 150769 | BM-08    | Balance OPT, Ethernet BM                               | \$299.00 |
| 97606  | AD-1653  | Density determination kit (BM-252/200/300/500 only)    | \$579.00 |
| 97609  | AD-8922A | Remote controller                                      | \$650.00 |
| 97608  | AD-8920A | Universal remote display                               | \$275.00 |
| 97612  | SW:128   | Foot switch  | \$85.00  |
| 97649  | TB:648   | AC adapter (120 V/220 V)                               | \$45.00  |
| 196128 | AD-8127  | Impact dot matrix, statistical printer, includes cable | \$890.00 |



BALANCES  
A&D WEIGHING

# Phoenix GH Series

## Standard Features

- Simple and easy to operate, adapts to your environment
- GLP/GMP/GCP/ISO compliant which outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Internal calibration mass; full digital calibration
- System diagnostic to alert operator of abnormal weighing conditions
- Weighing chamber
- Underhook weighing
- RS-232 interface for connecting to printer or PC
- Data memory function
- Time and date function
- WinCT<sup>©</sup> communication tools software
- Liquid crystal display (LCD)

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120 V AC (AC adapter) 50 Hz/60 Hz, 11 VA (110, 220, 240 available by special order)

### Stabilization Time:

Approx. 3.5 sec (0.1 mg)/8 sec (0.01 mg)

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/°C (when automatic self-calibration is not used)

### Calibration Weight:

20 g/50 g/100 g/200 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less  
(no condensation)

### Est. Weight:

Approx. 18 lb (8.2 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity      | Readability           | Repeatability         | Linearity           | Weighing Chamber                              | Pan Size            | Dimensions                                     | Part # | List Price |
|--------|---------------|-----------------------|-----------------------|---------------------|---|---------------------|--|--------|------------|
| GH-202 | 220 g / 51 g  | 0.0001 /<br>0.00001 g | ±0.2 mg /<br>±0.03 mg | 0.1 mg /<br>0.02 mg | 164 × 149 × 251 mm<br>(6.45 × 4.87 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 217 × 442 × 316 mm<br>(8.54 × 17.4 × 12.24 in) | 97601  | \$5,350.00 |
| GH-252 | 250 g / 101 g | 0.0001 /<br>0.00001 g | ±0.2 mg /<br>±0.10 mg | 0.1 mg /<br>0.03 mg | 164 × 149 × 251 mm<br>(6.45 × 4.87 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 217 × 442 × 316 mm<br>(8.54 × 17.4 × 12.24 in) | 97602  | \$5,895.00 |

## Options/Accessories

| Part#  | Model#   | Description                         | Price      |
|--------|----------|-------------------------------------|------------|
| 97604  | GH-08    | Ethernet option for GH              | \$299.00   |
| 97605  | AD-100-2 | Anti-theft device                   | \$77.00    |
| 97606  | AD-1653  | Density determination kit           | \$579.00   |
| 97607  | AD-1682  | Rechargeable battery pack, external | \$710.00   |
| 97608  | AD-8920A | Universal remote display            | \$275.00   |
| 97609  | AD-8922A | Remote controller                   | \$650.00   |
| 97610  | AD-1683  | Static eliminator                   | \$1,275.00 |
| 151247 | AD-1688  | Data logger                         | \$320.00   |
| 97612  | SW:128   | Foot switch                         | \$85.00    |
| 97649  | TB:648   | AC adapter (120 V/220 V)            | \$45.00    |



# Gemini GR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Easy-access door system
- Automatic self-calibration
- Data memory function
- Weighing chamber
- Underhook weighing
- Internal calibration
- Liquid crystal display (LCD)
- RS-232 interface for connecting to printer or PC
- WinCT<sup>©</sup> communication tools software

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120 V AC (AC adapter) 50 Hz/60 Hz, 11 VA (110, 220, 240 V AC adapter by special order)

### Stabilization Time:

Approx. 3.5 sec (0.1 mg)/8 sec (0.01 mg)

### Sensitivity Drift (10° C to 30° C):

±2 ppm/° C (when automatic self-calibration is not used)

### Calibration Weight:

100 g/200 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

Approx. 13.2 lb (6.0 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity   | Readability        | Repeatability      | Linearity            | Weighing Chamber                          | Pan Size         | Dimensions                                  | Part # | List Price |
|--------|------------|--------------------|--------------------|----------------------|---|------------------|---|--------|------------|
| GR-202 | 210 / 42 g | 0.0001 / 0.00001 g | 0.0001 / 0.00002 g | ±0.0002 / ±0.00003 g | 7.01 × 6.5 × 9.17 in (178 × 160 × 233 mm) | 85 mm (Ø 3.3 in) | 249 × 330 × 327 mm (9.8 × 12.99 × 12.87 in) | 97628  | \$4,950.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price      |
|--------|-------------|--|------------|
| 97605  | AD-100-2    | Anti-theft device                                      | \$77.00    |
| 97606  | AD-1653     | Density determination kit                              | \$579.00   |
| 97607  | AD-1682     | Rechargeable battery pack                              | \$710.00   |
| 97608  | AD-8920A    | Universal remote display                               | \$275.00   |
| 97609  | AD-8922A    | Remote controller                                      | \$650.00   |
| 97610  | AD-1683     | Static eliminator                                      | \$1,275.00 |
| 97612  | SW-128      | Foot switch  | \$85.00    |
| 97649  | TB-648      | AC adapter (120 V/220 V)                               | \$45.00    |
| 151247 | AD-1688     | Data logger  | \$320.00   |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable | \$890.00   |



BALANCES  
A&D WEIGHING

# Ion BM Series

## Standard Features

- Built-in fanless static eliminator
- Underhook weighing
- Anti-static glass
- Weighing chamber
- Built-in motorized calibration weight
- One-touch environmental filters
- GLP/LIM/ISO compliant
- RS-232C and WinCT<sup>®</sup> software standard
- AD-1688 Weighing Data Logger included

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce (See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120/240 AC adapter

### Stabilization Time:

BM-200, BM-300, BM-500: Approx. 3.5 seconds

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/°C (when automatic self-calibration is not used)

### Calibration Weight:

BM-200: 200 g  
BM-300: 300 g  
BM-500: 500 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C), 85% RH or less (no condensation)

### Est. Weight:

10 kg (ships by motor freight)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Pan Size            | Dimensions                                    | Part # | List Price |
|--------|----------|-------------|---------------|-----------|---------------------|---|--------|------------|
| BM-200 | 220 g    | 0.0001 g    | 0.1 mg        | ±0.2 mg   | 90 mm<br>(Ø 3.6 in) | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150766 | \$6,750.00 |
| BM-300 | 320 g    | 0.0001 g    | 0.2 mg        | ±0.3 mg   | 90 mm<br>(Ø 3.6 in) | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150767 | \$7,105.00 |
| BM-500 | 520 g    | 0.0001 g    | 0.2 mg        | ±0.5 mg   | 90 mm<br>(Ø 3.6 in) | 259 × 466 × 326 mm<br>(10.2 × 18.3 × 12.8 in) | 150768 | \$7,500.00 |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 150769 | BM-08    | Balance OPT, Ethernet BM                               | \$299.00 |
| 97606  | AD-1653  | Density determination kit                              | \$579.00 |
| 97609  | AD-8922A | Remote controller                                      | \$650.00 |
| 97608  | AD-8920A | Universal remote display                               | \$275.00 |
| 97612  | SW:128   | Foot switch  | \$85.00  |
| 97649  | TB:648   | AC adapter (120 V/220 V)                               | \$45.00  |
| 196128 | AD-8127  | Impact dot matrix, statistical printer, includes cable | \$890.00 |



# Phoenix GH Series

## Standard Features

- Simple and easy to operate, adapts to your environment
- GLP/GMP/GCP/ISO compliant which outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Internal calibration mass; full digital calibration
- System diagnostic to alert operator of abnormal weighing conditions
- Weighing chamber
- Underhook weighing
- RS-232 interface for connecting to printer or PC
- Data memory function
- Time and date function
- WinCT<sup>©</sup> communication tools software
- Liquid crystal display (LCD)

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120 V AC (AC adapter) 50 Hz/60 Hz, 11 VA (110, 220, 240 available by special order)

### Stabilization Time:

Approx. 3.5 sec (0.1 mg)/8 sec (0.01 mg)

### Sensitivity Drift (10° C to 30° C):

±2 ppm/° C (when automatic self-calibration is not used)

### Calibration Weight:

GH-120: 50 g/100 g  
GH-200: 100 g/200 g  
GH-300: 100 g/200 g/300 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)  
85% RH or less  
(no condensation)

### Est. Weight:

Approx. 18 lb (8.2 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                              | Pan Size            | Dimensions                                     | Part # | List Price |
|--------|----------|-------------|---------------|-----------|---|---------------------|--|--------|------------|
| GH-120 | 120 g    | 0.0001 g    | ±0.2 mg       | 0.1 mg    | 164 × 149 × 251 mm<br>(6.45 × 4.87 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 217 × 442 × 316 mm<br>(8.54 × 17.4 × 12.24 in) | 97597  | \$3,540.00 |
| GH-200 | 220 g    | 0.0001 g    | ±0.2 mg       | 0.1 mg    | 164 × 149 × 251 mm<br>(6.45 × 4.87 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 217 × 442 × 316 mm<br>(8.54 × 17.4 × 12.24 in) | 97599  | \$4,010.00 |
| GH-300 | 320 g    | 0.0001 g    | ±0.3 mg       | 0.2 mg    | 164 × 149 × 251 mm<br>(6.45 × 4.87 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 217 × 442 × 316 mm<br>(8.54 × 17.4 × 12.24 in) | 97600  | \$4,765.00 |

## Options/Accessories

| Part # | Model #  | Description                         | Price      |
|--------|----------|-------------------------------------|------------|
| 97604  | GH-08    | Ethernet option                     | \$299.00   |
| 97605  | AD-100-2 | Anti-theft device                   | \$77.00    |
| 97606  | AD-1653  | Density determination kit           | \$579.00   |
| 97607  | AD-1682  | Rechargeable battery pack, external | \$710.00   |
| 97608  | AD-8920A | Universal remote display            | \$275.00   |
| 97609  | AD-8922A | Remote controller                   | \$650.00   |
| 97610  | AD-1683  | Static eliminator                   | \$1,275.00 |
| 151247 | AD-1688  | Data logger                         | \$320.00   |
| 97612  | SW:128   | Foot switch                         | \$85.00    |
| 97649  | TB:648   | AC adapter (120 V/220 V)            | \$45.00    |



BALANCES  
A&D WEIGHING

# Gemini GR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Easy-access door system
- Automatic self-calibration
- Data memory function
- Weighing chamber
- Underhook weighing
- Internal calibration
- Liquid crystal display (LCD)
- RS-232 interface for connecting to printer or PC
- WinCT<sup>©</sup> communication tools software

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120 V AC (AC adapter) 50 Hz/60 Hz, 11 VA (110, 220, 240 V AC adapter by special order)

### Stabilization Time:

Approx. 3.5 sec (0.1 mg)/8 sec (0.01 mg)

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/°C (when automatic self-calibration is not used)

### Calibration Weight:

GR-120: 50 g/100 g  
GR-200: 100 g/200 g  
GR-300: 200 g/300 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less  
(no condensation)

### Est. Weight:

13.2 lb (6.0 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                             | Pan Size            | Dimensions                                     | Part # | List Price |
|--------|----------|-------------|---------------|-----------|--|---------------------|--|--------|------------|
| GR-120 | 120 g    | 0.0001 g    | 0.0001 g      | ±0.0002 g | 7.01 × 6.5 × 9.17 in<br>(178 × 160 × 233 mm) | 85 mm<br>(Ø 3.3 in) | 249 × 330 × 327 mm<br>(9.8 × 12.99 × 12.87 in) | 97625  | \$3,075.00 |
| GR-200 | 210 g    | 0.0001 g    | 0.0001 g      | ±0.0002 g | 7.01 × 6.5 × 9.17 in<br>(178 × 160 × 233 mm) | 85 mm<br>(Ø 3.3 in) | 249 × 330 × 327 mm<br>(9.8 × 12.99 × 12.87 in) | 97626  | \$3,495.00 |
| GR-300 | 310 g    | 0.0001 g    | 0.0001 g      | ±0.0002 g | 7.01 × 6.5 × 9.17 in<br>(178 × 160 × 233 mm) | 85 mm<br>(Ø 3.3 in) | 249 × 330 × 327 mm<br>(9.8 × 12.99 × 12.87 in) | 97627  | \$4,350.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price      |
|--------|-------------|--|------------|
| 97605  | AD-100-2    | Anti-theft device                                      | \$77.00    |
| 97606  | AD-1653     | Density determination kit                              | \$579.00   |
| 97607  | AD-1682     | Rechargeable battery pack                              | \$710.00   |
| 97608  | AD-8920A    | Universal remote display                               | \$275.00   |
| 97609  | AD-8922A    | Remote controller                                      | \$650.00   |
| 97610  | AD-1683     | Static eliminator                                      | \$1,275.00 |
| 97612  | SW:128      | Foot switch  | \$85.00    |
| 97649  | TB:648      | AC adapter (120 V/220 V)                               | \$45.00    |
| 151247 | AD-1688     | Data logger  | \$320.00   |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable | \$890.00   |



# HR-AZ/A Series

## Standard Features

- Fast stabilization time
- One-touch calibration in HR-AZ models
- Compact size
- Weighing chamber
- Rotary sliding doors
- Removable breeze break with anti-static coating
- GLP/GMP/GCP/ISO compliant

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Density

### Power:

120/240 AC adapter

### Stabilization Time:

3 seconds

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C), 85% RH or less  
(no condensation)

### Calibration Weight:

HR-100A and HR100AZ: 200g  
HR-150A and HR-150AZ: 150g  
HR-250A and HR-250AZ: 100g

### Est. Weight:

8.6 lb (3.9 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy -  
restock fee may apply

| Model    | Capacity | Readability | Repeatability                   | Linearity | Pan Size                | Dimensions                                   | Part # | List Price |
|----------|----------|-------------|---------------------------------|-----------|-------------------------|--|--------|------------|
| HR-100A  | 102 g    | 0.0001 g    | 0.1 mg                          | ± 0.2 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150777 | \$1,835.00 |
| HR-100AZ | 102 g    | 0.0001 g    | 0.1 mg                          | ± 0.2 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150779 | \$2,295.00 |
| HR-150A  | 152 g    | 0.0001 g    | 0.1 mg                          | ± 0.2 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150780 | \$1,960.00 |
| HR-150AZ | 152 g    | 0.0001 g    | 0.1 mg                          | ± 0.2 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150781 | \$2,410.00 |
| HR-250A  | 252 g    | 0.0001 g    | <200 mg 0.1 mg / >200 mg 0.2 mg | ± 0.3 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150782 | \$2,130.00 |
| HR-250AZ | 252 g    | 0.0001 g    | <200 mg 0.1 mg / >200 mg 0.2 mg | ± 0.3 mg  | 90 mm<br>(Ø 3.6 inches) | 198 × 294 × 313 mm<br>(7.8 × 11.6 × 12.3 in) | 150783 | \$2,555.00 |

## Options/Accessories

| Part#  | A&D Model# | Description                         | Price    |
|--------|------------|-------------------------------------|----------|
| 151247 | AD-1688    | Data logger                         | \$320.00 |
| 98027* | FXi-02     | Quick USB interface with cable      | \$91.00  |
| 98028* | FXi-08     | Ethernet interface with WIN-CT Plus | \$299.00 |
| 98029* | FXi-09     | Rechargeable battery                | \$335.00 |
| 97649  | TB:648     | AC adapter (120V/220V)              | \$45.00  |

\*Only one option may be installed and factory installation required



BALANCES  
A&D WEIGHING

# Orion HR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
  - System diagnostics to alert the operator of abnormal weighing conditions
  - RS-232C bidirectional interface (option for HR-60, HR-120 and HR-200; standard for HR-300i and HR-202i)
  - Weighing chamber
  - Underhook capability for density measurement and weighing magnetic materials
  - Liquid crystal display (LCD)
  - WinCT<sup>®</sup> communication tools software
- Note: Orion HR series does have internal calibration*

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce  
(See technical manual for complete listing)

### Operating Modes:

Percentage, Counting

### Power:

120 V AC (AC adapter) 50 Hz/60 Hz (110, 220, 240 V  
AC adapter available by special order)

### Stabilization Time:

Approx. 3.5 seconds

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/ °C (when automatic self-calibration  
is not used)

### Calibration Weight:

300 g/200 g/100 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)  
85% RH or less  
(no condensation)

### Est. Weight:

Approx. 17.6 lb (8.0 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy -  
restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                              | Pan Size            | Dimensions                                     | Part # | List Price |
|---------|----------|-------------|---------------|-----------|---|---------------------|--|--------|------------|
| HR-300i | 320 g    | 0.0001 g    | ±0.0003 mg    | 0.0002 mg | 164 × 149 × 251 mm<br>(6.45 × 5.84 × 9.88 in) | 90 mm<br>(Ø 3.6 in) | 8.54 × 17.4 × 12.24 in<br>(217 × 442 × 316 mm) | 97642  | \$4,185.00 |

## Options/Accessories

| Part#  | A&D Model# | Description  | Price      |
|--------|------------|--|------------|
| 97605  | AD-100-2   | Anti-theft device                                      | \$77.00    |
| 97606  | AD-1653    | Density determination kit                              | \$579.00   |
| 97607  | AD-1682    | Rechargeable battery pack                              | \$710.00   |
| 97608  | AD-8920A   | Universal remote display                               | \$275.00   |
| 97610  | AD-1683    | Static eliminator                                      | \$1,275.00 |
| 97609  | AD-8922A   | Remote controller                                      | \$650.00   |
| 97649  | TB-648     | AC adapter (120 V/220 V)                               | \$45.00    |
| 151247 | AD-1688    | Data logger  | \$320.00   |
| 196128 | AD-8127    | Impact dot matrix, statistical printer, includes cable | \$890.00   |





# AD-4212A Series

## Standard Features

- Comparator output (Hi/OK/Lo) feature for manual or automatic operation as well as buzzer function
- GLP/GMP compliant software output
- Breeze break for maximum accuracy and fastest response
- Standard calibration weight
- Simple operator reference card provided
- Multi-weighing units
- Time and date clock function
- Data memory function for weighing, calibration, counting and Hi/OK/Lo values
- Super Hybrid Sensor Technology (SHS)
- WinCT<sup>®</sup> communication tools software
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Milligram, ounce, carat, pennyweight, troy ounce, grain (see technical manual for complete listings)

### Operating Modes:

Counting, percentage

### Power Supply:

120 V AC adapter, 11 VA

### Stabilization Time (typical):

AD-4212A-100, AD-4212B-102:  
0 to 30 g approx. 1.3 seconds  
30 to 110 g approx. 1.3 seconds

### I/O Interface Comparator Output:

3 level output with buzzer

### I/O Interface External Contact Input:

Re-zero and print

### Calibration Weight:

50 g

### Connection Cable:

Approx. 2 m (between weighing unit and display unit)

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

8.5 lb (4 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model        | Capacity | Readability | Repeatability | Linearity | Pan Size                 | Dimensions                               | Part # | List Price |
|--------------|----------|-------------|---------------|-----------|--------------------------|--|--------|------------|
| AD-4212A-100 | 110 g    | 0.1 mg      | 0.15 g        | ±0.3 mg   | 2 × 2 in<br>(50 × 50 mm) | 3.2 × 9.1 × 3.5 in<br>(80 × 230 × 90 mm) | 97654  | \$5,660.00 |
| AD-4212B-102 | 110 g    | 0.01 mg     | 0.15 g        | ±0.3 mg   | 2 × 2 in<br>(50 × 50 mm) | 3.2 × 9.1 × 3.5 in<br>(80 × 230 × 90 mm) | 102925 | \$8,750.00 |
| AD-4212B-201 | 210 g    | 0.1 mg      | 1 mg          | ±2 mg     | 2 × 2 in<br>(50 × 50 mm) | 3.2 × 9.1 × 3.5 in<br>(80 × 230 × 90 mm) | 102926 | \$6,695.00 |
| AD-4212B-301 | 310 g    | 0.1 mg      | 1 mg          | ±2 mg     | 2 × 2 in<br>(50 × 50 mm) | 3.2 × 9.1 × 3.5 in<br>(80 × 230 × 90 mm) | 102927 | \$7,450.00 |

## Options/Accessories

| Part# | A&D Model # | Description  | Price    |
|-------|-------------|--|----------|
| 97672 | AD-4212A-01 | BCD output (factory installed, four month lead time) | \$581.00 |
| 97674 | AD-4212A-07 | Extension cable, 3 m                                 | \$171.00 |
| 97675 | AD-4212A-08 | Ethernet interface with WinCT <sup>®</sup>           | \$299.00 |
| 97676 | AD-4212A-19 | Stainless steel breeze break (200 g only)            | \$110.00 |



# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Pound/Ounce, Troy Ounce, Grain (See technical manual for complete listing)

### Operating Modes:

Weigh, Count and Percent

### Power:

110/220V V AC adapter

### Stabilization Time:

Approx. 1 second (typical in FAST mode)

### Calibration Weight:

GF-124A: 100 g  
GF-224A: 200 g  
GF-324A: 300 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)

### Est. Weight:

11 lb (5.2 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability                        | Linearity | Weighing Chamber        | Pan Size | Dimensions  | Part # | List Price |
|---------|----------|-------------|--------------------------------------|-----------|-------------------------|----------|---|--------|------------|
| GF-124A | 120 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200327 | \$2,475.00 |
| GF-224A | 220 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200328 | \$2,700.00 |
| GF-324A | 320 g    | 0.0001 g    | 0.0002 g (300 g)<br>0.0001 g (200 g) | ±0.0003 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200329 | \$3,200.00 |

## Options/Accessories

| Part # | A&D Model #  | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C interface (D-sub 9-pin male)                                 | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                                  | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04  | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                                      | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)            | \$470.00 |
| 192675 | GXA-10       | Large glass breeze break   | \$330.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher)         | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)                     | \$515.00 |
| 192678 | GXA-17       | Large breeze break with built-in fanless ionizer (static eliminator) | \$925.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch            | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch           | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug                    | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                                      | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                         | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                              | \$175.00 |



Apollo GF-324A

# Apollo GX Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- Internal calibration weight
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain (See technical manual for complete listing)

### Operating Modes:

Animal Weighing, Comparator Function, ACAI Counting Function, Percentage, Density Determination, Statistical Calculation

### Power:

120 V AC adapter, Approx. 30 VA

### Stabilization Time:

GX-124A: Approx. 1.5 seconds  
GX-124AE: Approx. 2 seconds  
GX-224A, GX-224AE: Approx. 1 second  
GX-324A, GX-324AE: Approx. 2 seconds

### Display Refresh Rate:

5 times/second, 10 times/second, 20 times/second

### Calibration Weight:

GX-124A, GX-124AE: 100g  
GX-224A, GX-224AE, GX-324A, GX-324AE: 200g

### Ionizer (fanless):

AE versions come standard with built-in fanless ionizer with external touchless sensor

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) RH less than 85% (no condensation)

### Est. Weight:

18 lb (8 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability                        | Linearity | Weighing Chamber        | Pan Size | Dimensions  | Part # | List Price |
|----------|----------|-------------|--------------------------------------|-----------|-------------------------|----------|---|--------|------------|
| GX-124A  | 120 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 10.2 × 14.1 × 13.1 in<br>(259 × 358 × 332 mm)<br><i>Includes Large Glass Breeze Break</i> | 200330 | \$2,950.00 |
| GX-124AE | 120 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200334 | \$4,395.00 |
| GX-224A  | 220 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200332 | \$3,175.00 |
| GX-224AE | 220 g    | 0.0001 g    | 0.0001 g                             | ±0.0002 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200335 | \$4,585.00 |
| GX-324A  | 320 g    | 0.0001 g    | 0.0002 g (300 g)<br>0.0001 g (200 g) | ±0.0003 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200333 | \$3,550.00 |
| GX-324AE | 320 g    | 0.0001 g    | 0.0002 g (300 g)<br>0.0001 g (200 g) | ±0.0003 g | 8.78 in H<br>(223 mm H) | Ø90 mm   | 259 × 358 × 332 mm<br>(10.2 × 14.1 × 13.1 in)<br><i>Includes Large Glass Breeze Break</i> | 200336 | \$4,925.00 |

## Options/Accessories

| Part # | A&D Model #  | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C Interface (D-sub 9-pin male)                         | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                          | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04                                | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                              | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)    | \$470.00 |
| 192675 | GXA-10       | Large glass breeze break                                     | \$330.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher) | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)             | \$515.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch    | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch   | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug            | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                              | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                 | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                      | \$175.00 |



BALANCES  
A&D WEIGHING

# GF-P Series

## Standard Features

- Pill-counting feature also complies with Handbook 44 requirements
- Fast, Super Hybrid Sensor (SHS) gives you the ultimate in response speed; just one second
- GLP/GMP/ISO compliance
- WinCT<sup>®</sup> communication tools software included
- Weighing chamber
- Tough die-cast aluminum housing
- Removable stainless steel pan 5 × 5 in (127 × 127 mm)
- NTEP Certified and Pharmacopoeia approved
- IP54 splash proof operator keyboard protects against dust and spills, stainless steel weigh pan
- Data memory function
- Vacuum Fluorescent Display (VFD)
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Pound/Ounce, Troy Ounce, Grain, Pound/Ounce (See technical manual for complete listing)

### Operating Modes:

Weigh, Count and Percent

### Power:

110/220V V AC adapter

### Stabilization Time:

Approx. 1 second (typical in FAST mode)

### Decimal Ounce:

GF-200P: 7.40755 × 0.00005 oz  
GF-300P: 10.93493 × 0.00005 oz

### Calibration Weight:

GF-200P, GF-300P: 200 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)

### Est. Weight:

11 lb (5.2 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

### Approvals:

NTEP CC 04-077 e=0.01g



| Model   | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size          | Dimensions                                 | Part # | List Price |
|---------|----------|-------------|---------------|-----------|------------------|-------------------|--|--------|------------|
| GF-200P | 210 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 92 mm (3.6 in H) | 127 mm (5 × 5 in) | 210 × 317 × 86 mm (8.27 × 12.48 × 3.39 in) | 97799  | \$1,385.00 |
| GF-300P | 310 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 92 mm (3.6 in H) | 127 mm (5 × 5 in) | 210 × 317 × 86 mm (8.27 × 12.48 × 3.39 in) | 97800  | \$1,650.00 |

## Options/Accessories

| Part # | A&D Model #    | Description                                   | Price    |
|--------|----------------|---|----------|
| 102891 | GX-02          | USB option                                    | \$155.00 |
| 97697  | GX-10          | Glass breeze break for GF-200 and 300         | \$284.00 |
| 97703  | AX:073003691-S | Protective in-use cover for GF-200/300 (each) | \$21.00  |
| 97649  | TB:648         | AC adapter (120 V/220 V) standard with unit   | \$45.00  |

BALANCES  
A&D WEIGHING



# FX-i Series

## Standard Features

- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- Weighing chamber
- Underhook weighing

## OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT<sup>®</sup> communication tools software

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound /Ounce (See technical manual for complete listings)

### Operating Modes:

Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator

### Power Consumption:

120/240 V AC adapter, approx. 11 VA

### Stabilization Time:

Approx. 1 second

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/° C (when automatic self-calibration is not used)

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)  
85% RH or less

### Calibration Weight:

FX-300i: 300 g  
FX-1200i: 1,000 g

### Est. Weight:

8 lb (3.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

### Approvals:

NTEP CC 08-045  
Measurement Canada AM-5692



| Model                              | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                              | Part # | List Price |
|------------------------------------|----------|-------------|---------------|-----------|------------------|---|--------|------------|
| <b>NTEP Certified</b>              |          |             |               |           |                  |   |        |            |
| FX-1200iIN                         | 1,220 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5.90 in (150 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 163641 | \$1,175.00 |
| <b>Measurement Canada Approved</b> |          |             |               |           |                  |   |        |            |
| FX-300iNC                          | 320 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 130 mm (5.12 in) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 168077 | \$1,245.00 |
| FX-1200iNC                         | 1,220 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5.90 in (150 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 168076 | \$1,185.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 98027* | FXi-02      | Quick USB interface                                      | \$91.00  |
| 98028* | FXi-08      | Ethernet interface with WinCT <sup>®</sup> Plus software | \$299.00 |
| 98029* | FXi-09      | Built-in rechargeable battery                            | \$335.00 |
| 98030  | FXi-10      | Small breeze break                                       | \$81.00  |
| 98031  | FXi-11      | Large breeze break                                       | \$135.00 |
| 97649  | TB:648      | AC adapter (120 V/220 V)                                 | \$45.00  |
| 151247 | AD-1688     | Data logger  | \$320.00 |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable   | \$890.00 |

\*Options FXi-02/FXi-08 and FXi-09 cannot be combined and are factory installed only.



BALANCES  
A&D WEIGHING

# EK-i Series

## Standard Features

- Backlit weight display
- Remote zeroing
- Easy-to-install NiCad battery option
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Newton, Decimal Ounce, Decimal Pound

### Operating Modes:

Counting, Percentage

### Power:

120 V AC adapter (Optional Ni-MH battery pack)

### Stabilization Time:

< 2 seconds

### Sensitivity Drift (10 °C to 30 °C):

±20 ppm/°C (when automatic self-calibration is not used)

### Display Type:

7 segment LCD with backlight (character height 16 mm)

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C) less than 85% R.H. (non-condensing)

### Calibration Weight:

EK-600i: 400 g  
 EK-1200i: 1,200 g  
 EK-6000i: 6,000 g  
 EK-12i: 12 kg

### Est. Weight:

3.5 lb (1.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

### Approvals:

NTEP CC-04-019



| Model                 | Capacity | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                                | Part #       | List Price |
|-----------------------|----------|-------------|---------------|-----------|--------------------------------|---|--------------|------------|
| <b>NTEP Certified</b> |          |             |               |           |                                |   |              |            |
| EK-600i               | 600 g    | 0.1 g       | 0.1 g         | ±0.1 g    | 133 × 170 mm<br>(5.2 × 6.7 in) | 190 × 218 × 55 mm<br>(7.5 × 8.6 × 2.2 in) | <b>97752</b> | \$545.00   |
| EK-1200i              | 1,200 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 133 × 170 mm<br>(5.2 × 6.7 in) | 190 × 218 × 55 mm<br>(7.5 × 8.6 × 2.2 in) | <b>97753</b> | \$540.00   |
| EK-6000i              | 6,000 g  | 1 g         | 1 g           | ±1 g      | 133 × 170 mm<br>(5.2 × 6.7 in) | 190 × 218 × 55 mm<br>(7.5 × 8.6 × 2.2 in) | <b>97758</b> | \$580.00   |
| EK-12i                | 12,000 g | 1 g         | 1 g           | ±1 g      | 133 × 170 mm<br>(5.2 × 6.7 in) | 190 × 218 × 55 mm<br>(7.5 × 8.6 × 2.2 in) | <b>97759</b> | \$735.00   |

## Options/Accessories

| Part #        | A&D Model #   | Description                                     | Price    |
|---------------|---------------|---|----------|
| <b>97760</b>  | EKW-04i       | Comparator/relay outputs/buzzer                 | \$170.00 |
| <b>97761</b>  | EKW-07i       | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$55.00  |
| <b>97762</b>  | EKW-09i       | NiCad battery pack                              | \$220.00 |
| <b>97764</b>  | AX:3005824-5S | Protective dust cover (not in use)              | \$15.00  |
| <b>97605</b>  | AD-100-2      | Anti-theft device                               | \$77.00  |
| <b>97766</b>  | TB:662        | AC adapter (120 V)                              | \$44.00  |
| <b>97767</b>  | TB:164        | AC adapter (240 V)                              | \$55.00  |
| <b>151247</b> | AD-1688       | Data logger                                     | \$320.00 |

BALANCES  
A&D WEIGHING



# EW-i Series

## Standard Features

- Backlit weight display
- Remote zeroing
- Easy-to-install NiCad battery option
- RS-232 interface for connecting to printer or PC
- Triple range

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound

### Operating Mode:

Counting, Percentage, Comparator

### Power:

AC adapter or Ni-MH battery pack (option)

### Stabilization Time:

< 2 seconds

### Sensitivity Drift (10 °C to 30 °C):

±20 ppm/°C (when automatic self-calibration is not used)

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C) less than 85% R.H. (non-condensing)

### Calibration Weight:

EW-1500i: 1,500 g  
EW-12Ki: 12 kg

### Est. Weight:

3.5 lb (1.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

### Approvals:

NTEP CC 04-019



| Model                 | Capacity                     | Readability           | Repeatability         | Linearity                | Pan Size                    | Dimensions                             | Part # | List Price |
|-----------------------|------------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|--|--------|------------|
| <b>NTEP Certified</b> |                              |                       |                       |                          |                             |  |        |            |
| EW-1500i              | 300 g / 600 g / 1,500 g      | 0.1 g / 0.2 g / 0.5 g | 0.1 g / 0.2 g / 0.5 g | ±0.1 g / ±0.2 g / ±0.5 g | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97769  | \$435.00   |
| EW-12Ki               | 3,000 g / 6,000 g / 12,000 g | 1 g / 2 g / 5 g       | 1 g / 2 g / 5 g       | ±1 g / ±2 g / ±5 g       | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97771  | \$435.00   |

## Options/Accessories

| Part # | A&D Model #   | Description                                     | Price    |
|--------|---------------|---|----------|
| 97760  | EKW-04i       | Comparator/relay outputs/buzzer                 | \$170.00 |
| 97761  | EKW-07i       | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$55.00  |
| 97762  | EKW-09i       | NiCad battery pack                              | \$220.00 |
| 97764  | AX:3005824-5S | Protective dust cover (not in use)              | \$15.00  |
| 97605  | AD-100-2      | Anti-theft device                               | \$77.00  |
| 97766  | TB:662        | AC adapter (120 V)                              | \$44.00  |
| 97767  | TB:164        | AC adapter (240 V)                              | \$55.00  |
| 151247 | AD-1688       | Data logger                                     | \$320.00 |



EW-1500i square pan

BALANCES  
A&D WEIGHING

# Apollo GX Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- Internal calibration weight
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain (See technical manual for complete listing)

### Operating Modes:

Animal Weighing, Comparator Function, ACAI Counting Function, Percentage, Density Determination, Statistical Calculation

### Power:

120 V AC adapter, Approx. 30 VA

### Stabilization Time:

Approx. 1 second

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Ionizer (fanless):

AE versions come standard with built-in fanless ionizer with external touchless sensor

### Calibration Weight:

GX-203A, GX-303A: 200g  
GX-403A: 400g  
GX-603A: 600g  
GX-1003A, GX-1603A: 1000g

### Est. Weight:

18 lb (8 kg)

### Operating Temperature:

41° F to 104° F (5 °C to 40 °C) RH less than 85% (no condensation)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size                | Dimensions                              | Part # | List Price |
|----------|----------|-------------|---------------|-----------|------------------|-------------------------|---|--------|------------|
| GX-203A  | 220 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191691 | \$1,675.00 |
| GX-303A  | 320 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191692 | \$1,875.00 |
| GX-403A  | 420 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191693 | \$1,990.00 |
| GX-603A  | 620 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191694 | \$2,595.00 |
| GX-1003A | 1,100 g  | 0.001 g     | 0.001 g       | ±0.003 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191695 | \$2,995.00 |
| GX-1603A | 1,620 g  | 0.001 g     | 0.001 g       | ±0.003 g  | 3 in (85 mm)     | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191696 | \$3,405.00 |

## Options/Accessories

| Part#  | A&D Model #  | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C interface (D-sub 9-pin male)                                 | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                                  | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04  | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                                      | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)            | \$470.00 |
| 192675 | GXA-10       | Large glass breeze break   | \$330.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher)         | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)                     | \$515.00 |
| 192678 | GXA-17       | Large breeze break with built-in fanless ionizer (static eliminator) | \$925.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch            | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch           | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug                    | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                                      | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                         | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                              | \$175.00 |



BALANCES  
A&D WEIGHING



# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Decimal Ounce, Pound/Ounce

### Operating Modes:

Counting, Percentage

### Power:

120/240 V AC adapter

### Stabilization Time:

Approx. 1.5 seconds (typical in FAST mode)

### Display Refresh Rate

5 times/second or 10 times/second

### Calibration Weight:

GF-203A: 200 g  
 GF-303A: 300 g  
 GF-403A: 400 g  
 GF-603A: 600 g  
 GF-1003A: 1000 g  
 GF-1603A: 1500 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) RH less than 85% (no condensation)

### Est. Weight:

18.3 lb (8.3 kg)

### Warranty:

Five-year limited

| Model    | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size                | Dimensions                              | Part # | List Price |
|----------|----------|-------------|---------------|-----------|------------------|-------------------------|---|--------|------------|
| GF-203A  | 220 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191707 | \$1,375.00 |
| GF-303A  | 320 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191708 | \$1,550.00 |
| GF-403A  | 420 g    | 0.001 g     | 0.001 g       | ±0.003 g  | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191709 | \$1,675.00 |
| GF-603A  | 620 g    | 0.001 g     | 0.001 g       | ±0.03 g   | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191710 | \$1,975.00 |
| GF-1003A | 1,100 g  | 0.001 g     | 0.001 g       | ±0.03 g   | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191711 | \$2,375.00 |
| GF-1603A | 1,620 g  | 0.001 g     | 0.002 g       | ±0.03 g   | 3 in H (85 mm H) | 128 × 128 mm (5 × 5 in) | 212 × 317 × 93 mm (8.3 × 12.5 × 3.7 in) | 191712 | \$3,055.00 |

## Options/Accessories

| Part # | A&D Model #  | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C interface (D-sub 9-pin male)                                 | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                                  | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04  | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                                      | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)            | \$470.00 |
| 192675 | GXA-10       | Large glass breeze break   | \$330.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher)         | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)                     | \$515.00 |
| 192678 | GXA-17       | Large breeze break with built-in fanless ionizer (static eliminator) | \$925.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch            | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch           | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug                    | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                                      | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                         | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                              | \$175.00 |



Apollo GF-1003A

BALANCES  
A&D WEIGHING

# FX-iWP Series Washdown

## Standard Features

- Washdown IP65 rating
- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound, Ounce (see technical manual for complete listings)

### Operating Modes:

Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator

### Power:

120/240 V AC adapter, approx. 11 VA

### Stabilization Time:

Approx. 1 second

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/° C

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Calibration Weight:

FX-120iWP: 100 g  
FX-200iWP: 200 g  
FX-300iWP: 300g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

8 lb (3.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model     | Capacity | Readability | Repeatability | Linearity | Pan Size           | Dimensions                            | Part # | List Price |
|-----------|----------|-------------|---------------|-----------|--------------------|---------------------------------------|--------|------------|
| FX-120iWP | 122 g    | 0.001 g     | 0.001 g       | ±0.002 g  | Ø 5.12 in (130 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102905 | \$1,525.00 |
| FX-200iWP | 220 g    | 0.001 g     | 0.001 g       | ±0.002 g  | Ø 5.12 in (130 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102906 | \$1,605.00 |
| FX-300iWP | 320 g    | 0.001 g     | 0.001 g       | ±0.002 g  | Ø 5.12 in (130 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102907 | \$1,710.00 |

## Options/Accessories

| Part#  | A&D Model# | Description  | Price    |
|--------|------------|--|----------|
| 98027* | FXi-02     | Quick USB interface                                      | \$91.00  |
| 98028* | FXi-08     | Ethernet interface with WinCT <sup>®</sup> Plus software | \$299.00 |
| 98029* | FXi-09     | Built-in rechargeable battery                            | \$335.00 |
| 98030  | FXi-10     | Small breeze break                                       | \$81.00  |
| 98031  | FXi-11     | Large breeze break                                       | \$135.00 |
| 97649  | TB:648     | AC adapter (120 V/220 V)                                 | \$45.00  |

\*Options FXi-02/FXi-08 and FXi-09 cannot be combined and are factory installed only.



## Standard Features

- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- Weighing chamber
- Underhook weighing

## OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT<sup>®</sup> communication tools software
- Note: FXi NTEP and FXi models available by special order (internal calibration)

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound /Ounce (See technical manual for complete listings)

### Operating Modes:

Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator

### Power Consumption:

120/240 V AC adapter, approx. 11 VA

### Stabilization Time:

Approx. 1 second

### Sensitivity Drift (10° C to 30° C):

±2 ppm/° C

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Calibration Weight

FX-120i: 100 g  
FX-200i: 200 g  
FX-300i: 300 g

### Operating Temperature

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

8 lb (3.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                              | Part # | List Price |
|---------|----------|-------------|---------------|-----------|------------------|---|--------|------------|
| FX-120i | 122 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 130 mm (5.12 in) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98021  | \$1,085.00 |
| FX-200i | 220 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 130 mm (5.12 in) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98022  | \$1,145.00 |
| FX-300i | 320 g    | 0.001 g     | 0.001 g       | ±0.002 g  | 130 mm (5.12 in) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98023  | \$1,195.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 98027* | FXi-02      | Quick USB interface                                      | \$91.00  |
| 98028* | FXi-08      | Ethernet interface with WinCT <sup>®</sup> Plus software | \$299.00 |
| 98029* | FXi-09      | Built-in rechargeable battery                            | \$335.00 |
| 98030  | FXi-10      | Small breeze break                                       | \$81.00  |
| 98031  | FXi-11      | Large breeze break                                       | \$135.00 |
| 97649  | TB:648      | AC adapter (120V/220V)                                   | \$45.00  |
| 151247 | AD-1688     | Data logger  | \$320.00 |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable   | \$890.00 |

\*Options FXi-02/FXi-08 and FXi-09 cannot be combined and are factory installed only.



BALANCES  
A&D WEIGHING

# AD-4212A Series

## Standard Features

- Comparator output (Hi/OK/Lo) feature for manual or automatic operation as well as buzzer function
- GLP/GMP compliant software output
- Breeze break for maximum accuracy and fastest response
- Standard calibration weight
- Simple operator reference card provided
- Multi-weighing units
- Time and date clock function
- Data memory function for weighing, calibration, counting and Hi/OK/Lo values
- Super Hybrid Sensor Technology (SHS)
- WinCT<sup>®</sup> communication tools software
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Milligram, Ounce, Carat, Pennyweight, Troy Ounce, Grain (See technical manual for complete listings)

### Operating Modes:

Counting, Percentage

### Power Supply:

120 V AC adapter, 11 VA

### Stabilization Time (typical):

AD-4212A-200, AD-4212B-201: 30 to 210 g approx. 1.0 second  
 AD-4212B-301: 30 to 210 g approx. 1.0 second  
 AD-4212A-600: 30 to 610 g approx. 1.1 seconds  
 AD-4212A-1000: 30 to 1100 g approx. 1.1 seconds

### I/O Interface Comparator Output:

3 level output with buzzer

### I/O Interface External Contact Input:

Re-zero and print

### Calibration Weight (OIML F1) (OPT):

AD-4212A-200, AD-4212B-201, AD-4212B-301: 100 g  
 AD-4212A-600, AD-4212A-1000: 200 g

### Connection Cable:

Approx. 2 m (between weighing unit and display unit)

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

8.5lb (4 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model         | Capacity | Readability | Repeatability | Linearity | Pan Size                  | Dimensions                            | Part # | List Price |
|---------------|----------|-------------|---------------|-----------|---------------------------|---------------------------------------|--------|------------|
| AD-4212A-200  | 210 g    | 1 mg        | 1 mg          | ±2 mg     | 2 × 2 in (50 × 50 mm)     | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 97655  | \$4,975.00 |
| AD-4212A-600  | 610 g    | 1 mg        | 1 mg          | ±3 mg     | 2.8 × 2.8 in (70 × 70 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 97656  | \$5,495.00 |
| AD-4212A-1000 | 1,100 g  | 1 mg        | 1 mg          | ±3 mg     | 2.8 × 2.8 in (70 × 70 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 97657  | \$5,695.00 |

## Options/Accessories

| Part# | A&D Model#  | Description  | Price    |
|-------|-------------|--|----------|
| 97672 | AD-4212A-01 | BCD output (factory installed, four month lead time) | \$581.00 |
| 97674 | AD-4212A-07 | Extension cable, 3 m                                 | \$171.00 |
| 97675 | AD-4212A-08 | Ethernet interface with WinCT <sup>®</sup>           | \$299.00 |
| 97676 | AD-4212A-19 | Stainless steel breeze break (200 g only)            | \$110.00 |

BALANCES  
A&D WEIGHING



## Standard Features

- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- Weighing chamber
- Underhook weighing

## OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT<sup>®</sup> communication tools software

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound, Ounce, (see technical manual for complete listings)

### Operating Modes:

Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator

### Power Consumption:

120/240 V AC adapter, approx. 11 VA

### Stabilization Time:

Approx. 1 second

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/° C

### Display Refresh Rate

5 times/second, 10 times/second or 20 times/second

### Calibration Weight:

FX-1200i: 1,000 g  
FX-2000i: 2,000 g  
FX-3000i: 3,000g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)  
85% RH or less  
(no condensation)

### Est. Weight:

8 lb (3.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                              | Part # | List Price |
|----------|----------|-------------|---------------|-----------|------------------|---|--------|------------|
| FX-1200i | 1,220 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5.90 in (150 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98024  | \$1,125.00 |
| FX-2000i | 2,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5.90 in (150 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98025  | \$1,185.00 |
| FX-3000i | 3,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5.90 in (150 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98026  | \$1,235.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 98027* | FXi-02      | Quick USB interface                                      | \$91.00  |
| 98028* | FXi-08      | Ethernet interface with WinCT <sup>®</sup> Plus software | \$299.00 |
| 98029* | FXi-09      | Built-in rechargeable battery                            | \$335.00 |
| 98030  | FXi-10      | Small breeze break                                       | \$81.00  |
| 98031  | FXi-11      | Large breeze break                                       | \$135.00 |
| 97649  | TB:648      | AC adapter (120 V/220 V)                                 | \$45.00  |
| 151247 | AD-1688     | Data logger  | \$320.00 |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable   | \$890.00 |

\*Options FXi-02/FXi-08 and FXi-09 cannot be combined and are factory installed only.



# Apollo GX Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- Internal calibration weight
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Gram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain (See technical manual for complete listing)

### Operating Modes:

Animal Weighing, Comparator Function, ACAI Counting Function, Percentage, Density Determination, Statistical Calculation

### Power:

120 V AC adapter, Approx. 30 VA

### Stabilization Time:

Approx. 1 sec.

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Calibration Weight:

GX-2002A, GX-3002A: 2,000 g  
GX-4002A: 4000 g  
GX-6001A, GX-6002A: 5,000 g  
GX-10001A, GX-10002A: 10,000 g

### Est. Weight:

18 lb (8 kg)

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) RH less than 85% (no condensation)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing Standard Policy - restock fee may apply

| Model     | Capacity | Readability | Repeatability | Linearity | Pan Size                   | Dimensions                                 | Part # | List Price |
|-----------|----------|-------------|---------------|-----------|----------------------------|--|--------|------------|
| GX-2002A  | 2,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191697 | \$1,950.00 |
| GX-3002A  | 3,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191700 | \$2,230.00 |
| GX-4002A  | 4,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191701 | \$2,335.00 |
| GX-6001A  | 6,200 g  | 0.1 g       | 0.1 g         | ±0.01 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191705 | \$2,075.00 |
| GX-6002A  | 6,200 g  | 0.01 g      | 0.01 g        | ±0.03 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191702 | \$2,735.00 |
| GX-10001A | 10,200 g | 0.1 g       | 0.1 g         | ±0.01 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191706 | \$3,055.00 |
| GX-10002A | 10,200 g | 0.01 g      | 0.02 g        | ±0.03 g   | 5 × 5 in<br>(128 × 128 mm) | 8.3 × 12.5 × 3.7 in<br>(212 × 317 × 93 mm) | 191704 | \$3,675.00 |

## Options/Accessories

| Part#  | A&D Model#   | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C Interface (D-sub 9-pin male)                                 | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                                  | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04  | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                                      | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)            | \$470.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher)         | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)                     | \$515.00 |
| 192678 | GXA-17       | Large breeze break with built-in fanless ionizer (static eliminator) | \$925.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch            | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch           | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug                    | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                                      | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                         | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                              | \$175.00 |



Apollo GX-3002A

# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Decimal Ounce, Pound/Ounce

### Operating Modes:

Counting, Percentage

### Power:

120/240 V AC adapter

### Stabilization Time:

Approx. 1.5 seconds (typical in FAST mode)

### Display Refresh Rate:

5 times/second or 10 times/second

### Calibration Weight

GF-1202A: 1 kg  
 GF-2002A: 2 kg  
 GF-3002A: 3 kg  
 GF-4002A: 4 kg  
 GF-6002A: 6 kg  
 GF-6001A: 6 kg  
 GF-10001A: 10 kg  
 GF-10002A: 10 kg

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) RH less than 85% (no condensation)

### Est. Weight:

18.3 lb (8.3 kg)

### Warranty:

Five-year limited

| Model     | Capacity | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                                 | Part # | List Price |
|-----------|----------|-------------|---------------|-----------|--------------------------------|--|--------|------------|
| GF-1202A  | 1,220 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 165 × 165 mm<br>(6.5 × 6.5 in) | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191713 | \$1,385.00 |
| GF-2002A  | 2,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191714 | \$1,425.00 |
| GF-3002A  | 3,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191715 | \$1,475.00 |
| GF-4002A  | 4,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191716 | \$1,890.00 |
| GF-6002A  | 6,200 g  | 0.01 g      | 0.01 g        | ±0.03 g   | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191717 | \$2,310.00 |
| GF-6001A  | 6,200 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 192486 | \$1,575.00 |
| GF-10001A | 10,200 g | 0.1 g       | 0.1 g         | ±0.1 g    | 128 × 128 mm<br>(5 × 5 in)     | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 192487 | \$1,645.00 |
| GF-10002A | 10,200 g | 0.01 g      | 0.1 g         | ±0.03 g   | 165 × 165 mm<br>(6.5 × 6.5 in) | 212 × 317 × 93 mm<br>(8.3 × 12.5 × 3.7 in) | 191718 | \$2,850.00 |

## Options/Accessories

| Part # | A&D Model #  | Description  | Price    |
|--------|--------------|--|----------|
| 192662 | GXA-03       | RS-232C interface (D-sub 9-pin male)                                 | \$235.00 |
| 192663 | GXA-04       | Comparator output (requires 192667)                                  | \$225.00 |
| 192667 | AX-K05692    | MiniDIN 8-pin male for GXA-04  | \$45.00  |
| 192671 | GXA-06       | Analog output (includes 192673)                                      | \$225.00 |
| 192674 | GXA-09       | Internal rechargeable battery (must be factory installed)            | \$470.00 |
| 192675 | GXA-10       | Large glass breeze break   | \$330.00 |
| 192676 | GXA-12       | Animal weighing pan (for models of 320 g capacity or higher)         | \$145.00 |
| 192677 | GXA-13       | Density determination kit (for 1 mg models only)                     | \$515.00 |
| 192678 | GXA-17       | Large breeze break with built-in fanless ionizer (static eliminator) | \$925.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch            | \$215.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch           | \$210.00 |
| 192681 | GXA-23-PLUG  | External key input interface for AX-T-314A-S plug                    | \$210.00 |
| 192682 | GXA-24       | USB host interface (USB A type)                                      | \$110.00 |
| 192683 | GXA-25       | External fanless ionizer (static eliminator)                         | \$830.00 |
| 192684 | GXA-26       | External IR switch (MiniDIN 4-pin male)                              | \$175.00 |



Apollo GF-3002A

BALANCES  
A&D WEIGHING

# FX-iWP Series Washdown

## Standard Features

- Washdown IP65 rating
- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound /Ounce

### Operating Modes:

Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator

### Power:

120/240 V AC adapter, approx. 11 VA

### Stabilization Time:

Approx. 1 second

### Sensitivity Drift (10 °C to 30 °C):

±2 ppm/°C

### Display Refresh Rate:

5 times/second, 10 times/second or 20 times/second

### Calibration Weight:

FX-120iWP: 100 g  
FX-200iWP: 200 g  
FX-300iWP: 300g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) 85% RH or less (no condensation)

### Est. Weight:

8 lb (3.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model      | Capacity | Readability | Repeatability | Linearity | Pan Size           | Dimensions                            | Part # | List Price |
|------------|----------|-------------|---------------|-----------|--------------------|---------------------------------------|--------|------------|
| FX-1200iWP | 1,220 g  | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 5.90 in (150 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102908 | \$1,515.00 |
| FX-2000iWP | 2,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 5.90 in (150 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102909 | \$1,605.00 |
| FX-3000iWP | 3,200 g  | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 5.90 in (150 mm) | 6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 102910 | \$1,705.00 |

## Options/Accessories

| Part # | A&D Model# | Description  | Price    |
|--------|------------|--|----------|
| 98027* | FXi-02     | Quick USB interface                                      | \$91.00  |
| 98028* | FXi-08     | Ethernet interface with WinCT <sup>®</sup> Plus software | \$299.00 |
| 98029* | FXi-09     | Built-in rechargeable battery                            | \$335.00 |
| 98030  | FXi-10     | Small breeze break                                       | \$81.00  |
| 98031  | FXi-11     | Large breeze break                                       | \$135.00 |
| 97649  | TB:648     | AC adapter (120 V/220 V)                                 | \$45.00  |

\*Options FXi-02/FXi-08 and FXi-09 cannot be combined and are factory installed only.





# EJ Newton Series

## Standard Features

- Easy-to-read seven segment LCD display with backlight
- 10 units of measurement
- Battery operated (Four AA not included)
- Selectable modes: weight, count, percentage and specific gravity
- 120 VAC adaptor included (230VAC optional)



EJ-200

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound (See technical manual for complete listing)

### Operating Modes:

Specific Gravity, Counting, Percentage, Checkweighing

### Power:

120 V AC adapter  
Four AA size dry-cell batteries (not included)  
70 hours operation

### Stabilization Time:

< 2 seconds

### Sensitivity Drift (10 °C to 30 °C):

±20 ppm/ °C

### Display Type:

Seven segment LCD with backlight  
(character height 16 mm)

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C) less than 85% R.H.  
(no condensation)

### Calibration Weight:

EJ-123, EJ-120: 100 g  
EJ-200: 200 g  
EJ-300: 300 g  
EJ-410: 400 g  
EJ-610: 600 g  
EJ-1500: 1,500 g  
EJ-2000: 2,000 g  
EJ-3000: 3,000 g  
EJ-4100: 4,000 g  
EJ-6100: 6,000 g

### Est. Weight:

EJ-123, EJ-120, EJ-200, EJ-300, EJ-410, EJ-610: 850 g  
EJ-1500, EJ-2000, EJ-3000, EJ-4100, EJ-6100: 1,100g

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size                  | Dimensions                             | Part # | List Price |
|---------|----------|-------------|---------------|-----------|---------------------------|--|--------|------------|
| EJ-123  | 120 g    | 0.001 g     | 0.003 g       | 0.003 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 163274 | \$545.00   |
| EJ-120  | 120 g    | 0.01 g      | 0.01 g        | ±0.01 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112410 | \$280.00   |
| EJ-200  | 210 g    | 0.01 g      | 0.01 g        | ±0.01 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112411 | \$350.00   |
| EJ-300  | 310 g    | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112412 | \$405.00   |
| EJ-410  | 410 g    | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112413 | \$445.00   |
| EJ-610  | 610 g    | 0.01 g      | 0.01 g        | ±0.02 g   | Ø 4.3 in (110 mm)         | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112414 | \$575.00   |
| EJ-1500 | 1,500 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.5 in (127 × 140 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112415 | \$281.00   |
| EJ-2000 | 2,100 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.5 in (127 × 140 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112416 | \$340.00   |
| EJ-3000 | 3,100 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 5 × 5.5 in (127 × 140 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112417 | \$410.00   |
| EJ-4100 | 4,100 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 5 × 5.5 in (127 × 140 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112418 | \$475.00   |
| EJ-6100 | 6,100 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 5 × 5.5 in (127 × 140 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 112419 | \$530.00   |

BALANCES  
A&D WEIGHING

## Options/Accessories

| Part # | A&D Model # | Description                                | Price    |
|--------|-------------|--|----------|
| 112426 | EJ-02       | USB interface with cable                   | \$89.00  |
| 112427 | EJ-03       | RS-232 interface with cable                | \$79.00  |
| 112428 | EJ-07       | Underhook for EJ-3000, EJ-4100 and EJ-6100 | \$71.00  |
| 112429 | EJ-08       | Underhook for EJ-1500 and EJ-2000          | \$71.00  |
| 112430 | EJ-11       | Breeze break                               | \$71.00  |
| 112431 | EJ-12       | Carrying case                              | \$71.00  |
| 112432 | EJ-13       | Density determination kit                  | \$81.00  |
| 97766  | TB:662      | AC adapter, 120 V                          | \$44.00  |
| 97767  | TB:164      | AC adapter, 220 V                          | \$55.00  |
| 151247 | AD-1688     | Data logger                                | \$320.00 |



EJ-2000

# EK-i Series

## Standard Features

- Backlit weight display
- Remote zeroing
- Easy -to -install NiCad battery option
- RS-232 interface for connecting to printer or PC

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Newton, Decimal Ounce, Decimal Pound

### Operating Modes:

Counting, percentage

### Power:

120 V AC adapter (optional Ni-MH battery pack)

### Stabilization Time:

< 2 seconds

### Sensitivity Drift (10 °C to 30 °C):

±20 ppm/ °C (when automatic self-calibration is not used)

### Display Type:

Seven segment LCD with backlight (character height 16 mm)

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C) less than 85% R.H. (non-condensing)

### Calibration Weight:

EK-120i: 120 g  
 EK-200i: 200 g  
 EK-300i: 300 g  
 EK-410i: 400 g  
 EK-610i: 400 g  
 EK-2000i: 2,000 g  
 EK-3000i: 3,000 g  
 EK-4100i: 4,000 g  
 EK-6100i: 6,000 g

### Est. Weight:

3.5 lb (1.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                             | Part # | List Price |
|----------|----------|-------------|---------------|-----------|-----------------------------|--|--------|------------|
| EK-120i  | 120 g    | 0.01 g      | 0.01 g        | ±0.01 g   | 110 mm (Ø 4.3 in)           | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97747  | \$525.00   |
| EK-200i  | 200 g    | 0.01 g      | 0.01 g        | ±0.01 g   | 110 mm (Ø 4.3 in)           | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97748  | \$560.00   |
| EK-300i  | 300 g    | 0.01 g      | 0.01 g        | ±0.02 g   | 110 mm (Ø 4.3 in)           | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97749  | \$580.00   |
| EK-410i  | 400 g    | 0.01 g      | 0.01 g        | ±0.02 g   | 110 mm (Ø 4.3 in)           | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97750  | \$655.00   |
| EK-610i  | 600 g    | 0.01 g      | 0.01 g        | ±0.02 g   | 110 mm (Ø 4.3 in)           | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97751  | \$770.00   |
| EK-2000i | 2,000 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97754  | \$565.00   |
| EK-3000i | 3,000 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97755  | \$615.00   |
| EK-4100i | 4,000 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97756  | \$730.00   |
| EK-6100i | 6,000 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 133 × 170 mm (5.2 × 6.7 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97757  | \$910.00   |

## Options/Accessories

| Part#  | A&D Model#    | Description                                     | Price    |
|--------|---------------|---|----------|
| 97760  | EKW-04i       | Comparator/relay outputs/buzzer                 | \$170.00 |
| 97761  | EKW-07i       | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$55.00  |
| 97762  | EKW-09i       | NiCad battery pack                              | \$220.00 |
| 97764  | AX:3005824-5S | Protective dust cover (not in use)              | \$15.00  |
| 97605  | AD-100-2      | Anti-theft device                               | \$77.00  |
| 97766  | TB:662        | AC adapter (120 V)                              | \$44.00  |
| 97767  | TB:164        | AC adapter (240 V)                              | \$55.00  |
| 151247 | AD-1688       | Data logger                                     | \$320.00 |



BALANCES  
A&D WEIGHING

## Standard Features

- Backlit weight display
- Remote zeroing
- Easy-to-install NiCad battery option
- RS-232 interface for connecting to printer or PC
- Triple range

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Decimal Ounce, Decimal Pound

### Operating Mode:

Counting, Percentage, Comparator

### Power:

AC adapter or Ni-MH battery pack (option)

### Stabilization Time:

< 2 seconds

### Sensitivity Drift (10 °C to 30 °C):

±20 ppm/°C

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C) less than 85% R.H. (no condensation)

### Calibration Weight:

150 g

### Est. Weight:

3.5 lb (1.5 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model   | Capacity            | Readability             | Repeatability            | Linearity                   | Pan Size          | Dimensions                             | Part # | List Price |
|---------|---------------------|-------------------------|--------------------------|-----------------------------|-------------------|--|--------|------------|
| EW-150i | 30 g / 60 g / 150 g | 0.01 g / 0.02 g / 0.1 g | 0.01 g / 0.02 g / 0.05 g | ±0.01 g / ±0.02 g / ±0.05 g | Ø 4.3 in (110 mm) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 97768  | \$435.00   |

## Options/Accessories

| Part # | A&D Model #   | Description                                     | Price    |
|--------|---------------|---|----------|
| 97760  | EKW-04i       | Comparator/relay outputs/buzzer                 | \$170.00 |
| 97761  | EKW-07i       | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$55.00  |
| 97762  | EKW-09i       | NiCad battery pack                              | \$220.00 |
| 97764  | AX:3005824-5S | Protective dust cover (not in use)              | \$15.00  |
| 97605  | AD-100-2      | Anti-theft device                               | \$77.00  |
| 97766  | TB:662        | AC adapter (120 V)                              | \$44.00  |
| 97767  | TB:164        | AC adapter (240 V)                              | \$55.00  |
| 151247 | AD-1688       | Data logger                                     | \$320.00 |



# GX-M Series

## Standard Features

- Internal calibration
- Auto environmental compensation
- IP65/NEMA Type 4
- RS-232 interface for connecting to printer or PC
- Data memory function
- Quick reference operation card
- Time and date
- Vacuum Fluorescent Display (VFD)
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Decimal Ounce, Pound/Ounce

### Operating Modes:

Counting, Percentage

### Power:

120 /240 V AC adapter

### Stabilization time:

Approx. 1.5 seconds

### Sensitivity Drift (10 °C to 30 °C / 50 °F to 86 °F):

GX-8202M: ±2 ppm/°C  
 GX-8202MD: ±3 ppm/°C  
 GX-10202M: ±2 ppm/°C  
 GX-12001M, GX-22001M, GX-32001M: ±3 ppm/ °C  
 GX-32001MD: ±5 ppm/ °C

### Calibration Weight:

GX-8202M/MD: 2 kg to 8 kg  
 GX-10202M: 2 kg to 10 kg  
 GX-12001M: 5 kg, 10 kg  
 GX-22001M: 5 kg, 10 kg, 20 kg  
 GX-32001M/MD: 5 kg, 10 kg, 20 kg, 30 kg

### Operating Temperature:

41 °F to 104 °F (-5 °C to 40 °C)

### Est. Weight:

18.3 lb (8.3 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model             | Capacity         | Readability    | Repeatability   | Linearity        | Pan Size                       | Dimensions                                   | Part #        | List Price |
|-------------------|------------------|----------------|-----------------|------------------|--------------------------------|--|---------------|------------|
| <b>GX-8202M</b>   | 8.2 kg           | 0.01 g         | 0.01 g          | ±0.03 g          | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207408</b> | \$3,715.00 |
| <b>GX-8202MD</b>  | 2.2 kg / 8.2 kg  | 0.01 g / 0.1 g | 0.01 g / 0.05 g | ±0.02 g / ±0.1 g | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207409</b> | \$3,245.00 |
| <b>GX-10202M</b>  | 10.2 kg          | 0.01 g         | 0.01 g          | ±0.03 g          | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207410</b> | \$3,995.00 |
| <b>GX-12001M</b>  | 12.2 kg          | 0.1 g          | 0.1 g           | ±0.2 g           | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207411</b> | \$3,375.00 |
| <b>GX-22001M</b>  | 22.2 kg          | 0.1 g          | 0.1 g           | ±0.2 g           | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207412</b> | \$3,656.00 |
| <b>GX-32001M</b>  | 32.2 kg          | 0.1 g          | 0.1 g           | ±0.2 g           | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207413</b> | \$4,215.00 |
| <b>GX-32001MD</b> | 6.2 kg / 32.2 kg | 0.1 g/1 g      | 0.1 g / 0.5 g   | ±0.2 g / ±1 g    | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | <b>207414</b> | \$3,270.00 |

## Options/Accessories

| Part#         | A&D Model#    | Description  | Price    |
|---------------|---------------|--|----------|
| <b>207431</b> | GX-04K*       | Comparator/output and RS-232C/20 mA interface          | \$450.00 |
| <b>207432</b> | GX-06K*       | Analog output/20 mA interface                          | \$525.00 |
| <b>97784</b>  | GX-07K**      | Waterproof cable for standard RS-232C                  | \$321.00 |
| <b>102899</b> | GXK-12        | Animal weighing pan                                    | \$861.00 |
| <b>102898</b> | GXK-31        | Draft shield   | \$120.00 |
| <b>97605</b>  | AD-100-2      | Anti-theft device                                      | \$77.00  |
| <b>97785</b>  | AX:073007197A | Protective in-use cover                                | \$22.00  |
| <b>97649</b>  | TB:648        | AC adapter (120 V/220 V)                               | \$45.00  |
| <b>151247</b> | AD-1688       | Data logger  | \$320.00 |
| <b>196128</b> | AD-8127       | Impact dot matrix, statistical printer, includes cable | \$890.00 |

\*GX-04K, GX-06K, replace standard RS-232C and cannot be used at the same time.

IP65 rating does not apply when the GX-04K or the GX-06K is installed.

\*\*Use the GX-07K optional waterproof RS-232C cable, in order to use the standard RS-232 interface for water and dust proof (IP65).

BALANCES  
A&D WEIGHING



# HIGH CAPACITY GF-M Series

## Standard Features

- IP65/NEMA Type 4
- RS-232 interface for connecting to printer or PC
- Quick reference operation card
- Time and date
- Vacuum fluorescent display (VFD)
- Interval time setting
- Underhook weighing

## Specifications

### Weighing Units:

Pound, Carat, Pennyweight, Troy Ounce, Grain, Decimal Ounce, Pound/Ounce Operating Modes Counting, Percentage

### Power:

120/240 V AC adapter

### Stabilization Time:

Approx. 1.5 seconds (typical in FAST mode)

### Sensitivity Drift(10 °C to 30 °C / 50 °F to 86 °F):

GF-8202M: ±2 ppm/ °C  
 GF-8202MD: ±3 ppm/ °C  
 GF-10202M: ±2 ppm/ °C  
 GF-12001M, GX-22001M, GX-32001M: ±3 ppm/ °C  
 GF-32001MD: ±5 ppm/ °C

### Calibration Weight:

GF-8202M/MD: 2 to 8 kg  
 GF-10202M: 2 to 10 kg  
 GF-12001M: 5 kg, 10 kg  
 GF-22001M: 5 kg, 10 kg, 20 kg  
 GF-32001M/MD: 5 kg, 10 kg, 20 kg, 30 kg

### Display Refresh Rate:

5 times/second or 10 times/second

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C) RH less than 85% (no condensation)

### Est. Weight:

18.3 lb (8.3 kg)

### Warranty:

Five-year limited

| Model      | Capacity      | Readability  | Repeatability | Linearity      | Pan Size                          | Dimensions                                      | Part # | List Price |
|------------|---------------|--------------|---------------|----------------|-----------------------------------|---|--------|------------|
| GF-8202M   | 8.2 kg        | 0.01 g       | 0.01 g        | ±0.03 g        | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207415 | \$3,540.00 |
| GF-8202MD  | 2.2 kg/8.2 kg | 0.01 g/0.1 g | 0.01 g/0.05 g | ±0.02 g/±0.1 g | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207416 | \$2,990.00 |
| GF-10202M  | 10.2 kg       | 0.01 g       | 0.01 g        | ±0.03 g        | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207417 | \$3,800.00 |
| GF-12001M  | 12.2 kg       | 0.1 g        | 0.1 g         | ±0.2 g         | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207418 | \$3,205.00 |
| GF-22001M  | 22.2 kg       | 0.1 g        | ±0.2 g        | 0.1 g          | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207419 | \$3,400.00 |
| GF-32001M  | 32.2 kg       | 0.1 g        | ±0.2 g        | 0.1 g          | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207420 | \$3,985.00 |
| GF-32001MD | 6.2/32.2 kg   | 0.1/1 g      | ±0.5 g/0.1 g  | 0.2 g/1 g      | 10.62 × 8.26 in<br>(270 × 210 mm) | 300 × 355 × 111 mm<br>(11.81 × 13.98 × 4.37 in) | 207422 | \$2,999.00 |

## Options/Accessories

| Part#  | A&D Model#    | Description  | Price    |
|--------|---------------|--|----------|
| 207431 | GX-04K*       | Comparator/output and RS-232C/20 mA interface          | \$450.00 |
| 207432 | GX-06K*       | Analog output/20 mA interface                          | \$525.00 |
| 97784  | GX-07K**      | Waterproof cable for standard RS-232C                  | \$321.00 |
| 102899 | GXK-12        | Animal weighing pan                                    | \$861.00 |
| 102898 | GXK-31        | Draft shield   | \$120.00 |
| 97605  | AD-100-2      | Anti-theft device                                      | \$77.00  |
| 97785  | AX:073007197A | Protective in-use cover                                | \$22.00  |
| 97649  | TB:648        | AC adapter (120 V/220 V)                               | \$45.00  |
| 151247 | AD-1688       | Data logger  | \$320.00 |
| 196128 | AD-8127       | Impact dot matrix, statistical printer, includes cable | \$890.00 |

\*GX-04K, GX-06K, replace standard RS-232C and cannot be used at the same time. IP65 rating does not apply when the GX-04K or the GX-06K is installed.

\*\*Use the GX-07K optional waterproof RS-232C cable, in order to use the standard RS-232 interface for water and dust proof (IP65).



BALANCES  
A&D WEIGHING

# HIGH CAPACITY GP Series

## Standard Features

- IP65/NEMA Type 4
- Internal calibration weight with manual, interval or auto-environmental compensation
- RS-232 interface for connecting to printer or PC
- Data-collection software
- Auto re-zero function
- Time and date
- Bright blue fluorescent display
- Adjustable swing arm display
- Die -cast aluminum body with stainless weighing pan
- Detached digital weight indicator (KS models only)

## Specifications

### Weighing Units:

Carat, Pennyweight, Troy Ounce, Grain, Decimal Ounce, Decimal Pound, Pound /Ounce

### Operating Modes:

Counting, Percentage

### Power:

Approx. 30 VA (supplied to the AC adapter)

### Stabilization Time:

Approx. 1.5 seconds (typical in FAST mode)

### Sensitivity Drift (-10 °C to 30 °C):

GP-12K, GP-20K, GP-30K, GP-30KS: ±3 ppm/ °C  
 GP-32K, GP-32KS, GP-40K: ±5 ppm/ °C  
 GP-60K, GP-60KS, GP-61K, GP-61KS, GP-100K, GP-100KS: ±6 ppm/ °C  
 GP102K: ±10 ppm/ °C

### Height with Column

652 mm

### Calibration Weight:

GP-12K: 5 kg/10 kg  
 GP-20K: 10 kg/20 kg  
 GP-30K, GP-30KS, GP-32KS: 20 kg/30 kg  
 GP-40K: 20/30/40 kg  
 GP-60K, GP-60KS: 30/40/50/60 kg  
 GP-61K, GP-61KS: 20/30/40/50/60 kg  
 GP-100K, GP-100KS, GP-102K: 60/80/100 kg

### Operating Temperature:

41 ° F to 104 ° F (5 ° C to 40 ° C)  
 RH less than 85%  
 (no condensation)

### Est. Weight:

Approx. 39.7 lb (18 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model    | Capacity       | Readability | Repeatability | Linearity  | Pan Size                     | Dimensions                                   | Part # | List Price |
|----------|----------------|-------------|---------------|------------|------------------------------|--|--------|------------|
| GP-12K   | 12 kg          | 0.1 g       | 0.1 g         | ±0.2 g     | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97802  | \$3,500.00 |
| GP-20K   | 21 kg          | 0.1 g       | 0.1 g         | ±0.2 g     | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97803  | \$3,850.00 |
| GP-30K   | 31 kg          | 0.1 g       | 0.1 g         | ±0.2 g     | 384 × 344 mm<br>(15 × 13 in) | 344 × 442 × 139 mm<br>(13.5 × 17.4 × 5.5 in) | 97805  | \$4,650.00 |
| GP-30KS  | 31 kg          | 0.1 g       | -             | -          | 384 × 344 mm<br>(15 × 13 in) | 344 × 442 × 139 mm<br>(13.5 × 17.4 × 5.5 in) | 97810  | \$4,895.00 |
| GP-32K   | 31 kg / 6 kg   | 1/0.1 g     | 0.5 g / 0.1 g | ±1 / ±2 g  | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97804  | \$3,185.00 |
| GP-32KS  | 31 kg / 6 kg   | 1 / 0.1 g   | -             | -          | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 102901 | \$3,550.00 |
| GP-40K   | 41 kg          | 0.5 g       | 0.5 g         | ±1 g       | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97806  | \$4,250.00 |
| GP-60K   | 61 kg          | 1 g         | 0.7 g         | ±1 g       | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97807  | \$5,225.00 |
| GP-60KS  | 61 kg          | 1 g         | -             | -          | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 102902 | \$5,450.00 |
| GP-61K   | 61 kg          | 0.1 g       | 0.2 g         | ±0.5 g     | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 102900 | \$5,995.00 |
| GP-61KS  | 61 kg          | 0.1 g       | -             | -          | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 102903 | \$5,825.00 |
| GP-100K  | 100 kg         | 1 g         | 1 g           | ±2 g       | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97808  | \$5,500.00 |
| GP-100KS | 101 kg         | 1 g         | -             | -          | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97811  | \$5,925.00 |
| GP-102K  | 101 kg / 61 kg | 10 / 1 g    | 5 / 1 g       | ±10 / ±2 g | 384 × 344 mm<br>(15 × 13 in) | 372 × 615 × 130 mm<br>(14.6 × 24.2 × 5.1 in) | 97809  | \$4,995.00 |

BALANCES  
A&D WEIGHING

HIGH CAPACITY  
**GP Series**

**Options/Accessories**

| Part#  | A&D Model# | Description  | Price      |
|--------|------------|--|------------|
| 97607  | AD-1682    | Rechargeable battery pack                                | \$710.00   |
| 97608  | AD-8920    | Universal remote display                                 | \$275.00   |
| 97813  | GP-04      | Comparator output with buzzer                            | \$264.00   |
| 97814  | GP-06      | Analog output (replaces standard RS-232C)                | \$865.00   |
| 97815  | GP-07      | GP extension cable (factory installed 120 day lead time) | \$319.00   |
| 97816  | GP-20      | Underhook GP-12 kg thru 40 kg                            | \$189.00   |
| 97817  | GP-21      | Underhook GP-60 kg thru 102 kg                           | \$189.00   |
| 97605  | AD-100-2   | Anti-theft device  | \$77.00    |
| 97820  | 07:3004753 | Protective in-use cover                                  | \$25.00    |
| 97613  | TB:136     | AC adapter (120 V) standard with unit                    | \$44.00    |
| 97614  | TB:137     | AC adapter (220 V)                                       | \$55.00    |
| 97609  | AD-8922    | Remote controller  | \$650.00   |
| 102904 | GP-12      | Animal weighing pan                                      | \$1,709.00 |
| 151247 | AD-1688    | Data logger  | \$320.00   |
| 97612  | SW:128     | Foot switch  | \$85.00    |
| 196128 | AD-8127    | Impact dot matrix, statistical printer, includes cable   | \$890.00   |



**BALANCES  
 A&D WEIGHING**

INTRINSICALLY SAFE  
**EK-AEP Series**

**Standard Features**

- LCD display
- ATEX and FM approved (Class I, Division 1, groups C and D)
- Optical data output
- 200 hours of battery operation\*
- Auto power off
- Counting/Percentage/Specific Gravity modes
- Optical data output

**Specifications**

**Weighing Units:**

Carat, Pennyweight, Troy Ounce, Newton, Decimal Ounce, Decimal Pound

**Operating Modes:**

Counting, Percentage, Specific Gravity

**Power:**

Four AA batteries  
 (Battery life determined with backlight off with four AA batteries. The EK-EAP must be used with any of the following to maintain FM integrity: Duracell AA alkaline MN 1500 LR6, Energizer AA E91 alkaline LR6 AM3, Panasonic AA alkaline LR6 (XJ). Do not mix type or new/used batteries.)

**Stabilization Time:**

< 2 seconds

**Sensitivity Drift (10 °C to 30 °C):**

±20 ppm/°C

**Calibration Weight:**

EK-300AEP: 300 g  
 EK-3000AEP: 3,000 g  
 EK-12KAEP: 10 kg

**Est. Weight:**

3.5 lb (1.5 kg)

**Operating Temperature:**

32 °F to 104 °F (0 °C to 40 °C)

**Warranty:**

Two-year limited

**Return Policy:**

A&D Weighing standard policy - restock fee may apply

**Approvals:**

cFMus  
 ATEX



| Model      | Capacity | Readability | Repeatability | Linearity | Pan Size                            | Dimensions                             | Part # | List Price |
|------------|----------|-------------|---------------|-----------|-------------------------------------|--|--------|------------|
| EK-300AEP  | 300 g    | 0.01 g      | 0.01 g        | ±0.02 g   | 110 mm (Ø4.33 in)                   | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 199565 | \$1,650.00 |
| EK-3000AEP | 3,000 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 133 mm × 170 mm (5.24 in × 6.69 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 199566 | \$1,750.00 |
| EK-12KAEP  | 12,000 g | 1 g         | 1 g           | ±1 g      | 133 mm × 170 mm (5.24 in × 6.69 in) | 190 × 218 × 55 mm (7.5 × 8.6 × 2.2 in) | 199567 | \$1,950.00 |

**Options/Accessories**

| Part # | A&D Model #   | Description   | Price    |
|--------|---------------|---|----------|
| 177696 | EJ-12         | Carrying case   | \$69.00  |
| 202077 | AD-1611       | Safe area serial output module (requires a fiber-optic cable) | \$459.00 |
| 202074 | AX-KS5456-010 | Fiber-optic cable (10m)                                       | \$328.00 |
| 202075 | AX-KS5456-030 | Fiber-optic cable (30m)                                       | \$590.00 |
| 202076 | AX-KS5456-060 | Fiber-optic cable (60m)                                       | \$850.00 |

\*Battery life determined with backlight off with four AA batteries. The EK-EAP must be used with any of the following to maintain FM integrity: Duracell AA alkaline MN 1500 LR6, Energizer AA E91 alkaline LR6 AM3, Panasonic AA alkaline LR6 (XJ). Do not mix type or new/used batteries.

BALANCES  
A&D WEIGHING



EK-300AEP



EK-3000AEP



# MS-70 / MX-50 / MF-50 / ML-50

## Standard Features

- Fast and uniform heating with halogen lamp and uniquely designed (secondary radiation assist) SRA filter
- WinCT<sup>®</sup> communication tools software
- Sodium tartrate dihydrate is provided as a stable moisture content for accuracy checks of the analyzer
- Vacuum fluorescent display (VFD)
- Glass window for heating check and easy cleaning
- Self-check function
- Quick reference card
- RS-232 interface for connecting to printer or PC
- GLP/ GMP/GCP/ISO compliant with time and date, ID, calibration data and check record outputs

## Specifications

### Operating Modes:

Wet Base, Dry Base, Solid Content, Ratio

### Measurement Programs:

Standard, Automatic, Timer, Manual

### Power:

120 VAC

### Drying Temperature:

MS-70: 30 °C to 200 °C  
 MX-50, MF-50, ML-50: 50 °C to 200 °C (1° increment)

### Measurement Program Memories:

MS-70, MX50: 20 sets  
 MF-50: 10 sets  
 ML-50: 5 sets

### Data Memory:

MS-70, MX-50: 100  
 MF-50: 50  
 ML-50: 30

### Moisture Content Display:

MS-70: 0.001%/0.01%/0.1%  
 MX-50: 0.01%/0.1%  
 MF-50: 0.05%/0.1%/1%  
 ML-50: 0.1%/1%

### Moisture Content Accuracy Over 1 g:

MS-70: 0.05%  
 MX-50: 0.10%  
 MF-50: 0.20%  
 ML-50: 0.50%

### Over 5 g:

MS-70: 0.01%  
 MX-50: 0.02%  
 MF-50: 0.05%  
 ML-50: 0.10%

### Operating Temperature:

40 °F to 104 °F (5 °C to 40 °C)

### Heating Technology:

Halogen lamp (straight type, 400 watt max, 5,000 hours)

### Est. Weight:

13 lb (5.9 kg)

### Warranty:

Five-year limited

### Return Policy:

A&D Weighing standard policy - restock fee may apply

| Model | Capacity | Readability | Pan Size          | Dimensions                                | Part # | List Price |
|-------|----------|-------------|-------------------|---|--------|------------|
| MS-70 | 71 g     | 0.0001 g    | 85 mm (Ø 2.16 in) | 215 × 320 × 173 mm (8.46 × 12.6 × 6.8 in) | 97821  | \$5,875.00 |
| MX-50 | 51 g     | 0.001 g     | 85 mm (Ø 2.16 in) | 215 × 320 × 173 mm (8.46 × 12.6 × 6.8 in) | 97822  | \$3,650.00 |
| MF-50 | 51 g     | 0.002 g     | 85 mm (Ø 2.16 in) | 215 × 320 × 173 mm (8.46 × 12.6 × 6.8 in) | 97823  | \$2,950.00 |
| ML-50 | 51 g     | 0.005 g     | 85 mm (Ø 2.16 in) | 215 × 320 × 173 mm (8.46 × 12.6 × 6.8 in) | 112408 | \$2,552.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 97824  | AX-31       | Sample pans (washable, 100 each)   | \$100.00 |
| 97825  | AX-32-2     | Glass fiber sheets (100 each)  | \$55.00  |
| 97826  | AX-33       | Sodium tartrate dehydrate test samples (30 × 12 g)                           | \$88.00  |
| 97827  | AX-34       | Halogen lamp (replacement)   | \$67.00  |
| 97828  | AX-35       | Pan handles (2 each)   | \$29.00  |
| 97829  | AX-36       | Tweezers (2 each)  | \$19.00  |
| 97830  | AX-37       | Spoons (2 each)  | \$23.00  |
| 97831  | AX-38       | Protective in-use covers (5 each)  | \$45.00  |
| 97832  | AX-39       | Dust cover   | \$19.00  |
| 97833  | AX-42       | WinCT <sup>®</sup> Moisture (standard for MS-70 and MX-50, option for MF-50) | \$245.00 |
| 97834  | AD-1700-20G | Calibration mass (20 g)  | \$110.00 |
| 97837  | AX-43       | Temperature calibrator (MS-70 and MX-50 only)                                | \$465.00 |
| 151247 | AD-1688     | Data logger  | \$320.00 |
| 196128 | AD-8127     | Impact dot matrix, statistical printer, includes cable                       | \$890.00 |



BALANCES  
A&D WEIGHING

# AD-1683

## Standard Features

- Can be easily and safely installed; requires no high-voltage wiring
- Eliminates static charges from quickly running or highly electrified work pieces
- Little or no reverse charge is induced by irradiated ions because of its excellent ion polarity or the potential of the charged object
- Achieves static elimination with a huge degree of efficiency regardless of the polarity or the potential of the charged object
- Suited for static elimination in narrow and remote places because of its lengthy ion irradiation distance
- Produces only a little amount of ozone thanks to its high ion generation efficiency
- A current limiting circuit is incorporated in the ion generating electrode to reduce the possibility of electric shock
- No swing in surface potential of the charged object

## Specifications

**Power:**  
100 to 240 V AC, 50/60 Hz, 1.5 V AC

**Elimination Range:**  
Distance: 10 to 30 cm from the electrode area:  
30 × 30 cm

**Static Elimination Method:**  
DC corona discharge DUAL-DC

**Static Eliminating Electrode:**  
Tungsten emitter

**Environmental Conditions:**  
-5 °C to 40 °C, 35% to 85%RH (non-condensing)

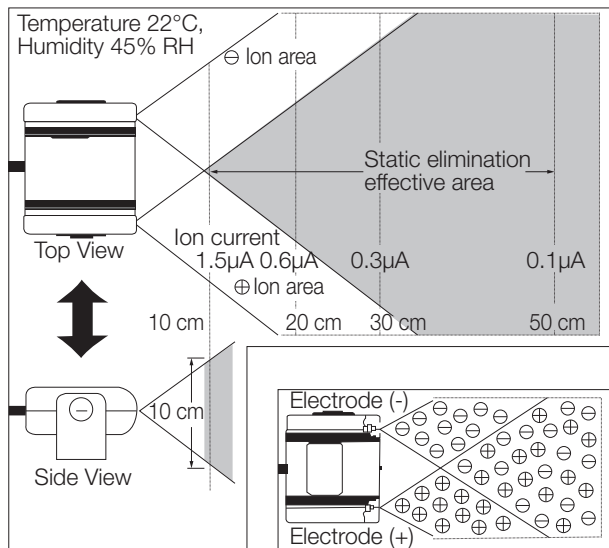
**Est. Weight:**  
300 g

**Power:**  
100 to 240 V AC, 50/60 Hz, 1.5 V AC

**Warranty:**  
One-year limited

| Model   | Elimination Range  | Static Elimination Method   | Static Eliminating Electrode | Environmental Conditions                             | Weight | Part # | List Price |
|---------|--|-----------------------------|------------------------------|--|--------|--------|------------|
| AD-1683 | Distance: 10 cm to 30 cm from the electrode area:<br>30 cm × 30 cm | DC corona discharge DUAL-DC | Tungsten emitter             | -5° C to 40° C,<br>35% to 85%RH<br>(no condensation) | 300 g  | 97610  | \$1,275.00 |

(Below) Example of AD-1683 installation showing static elimination area and an example of ion generation.



# Explorer® Series

## Standard Features

- Intuitive SmartText™ software
- 4 programmable touchless sensors
- Weighing chamber
- Color touchscreen display
- Memory for up to 99 items
- Real-time clock for GLP/GMP data collection
- Audible stability alert
- Autocal automatic calibration
- EX225D/AD and EX225/AD
- Includes ionizer and auto doors

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Grain, Newton (see technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Checkweighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Pipette Adjustment, SQC

### Power Requirements:

AC adapter input: 100 to 240 VAC 0.6A 50 /60 Hz

### Stabilization Time:

0.1 mg = 0.3 seconds; 0.01 mg = 8 second

### Min-Weight:

20.0 mg fine range (USP, u=0.10%, k=2)

### Calibration:

AutoCal™ at 1.5 °C temperature change, 11 hours and external calibration

### Operating Temperature Range:

14 °F to 86 °F (-10 °C to 30 °C)

### Est. Weight:

25 lb (12.5 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model     | Capacity    | Readability        | Repeatability (20 g) std | Repeatability (100 g) std | Linearity | Pan Size | Dimensions                                 | Part # | List Price  |
|-----------|-------------|--------------------|--------------------------|---------------------------|-----------|----------|--|--------|-------------|
| EX125D    | 52 g/120 g  | 0.01 mg/<br>0.1 mg | ±0.015 mg                | 0.1 mg                    | ±0.1 mg   | 80 mm    | 9 × 15.4 × 13.8 in<br>(230 × 393 × 350 mm) | 171347 | \$7,081.00  |
| EX125     | 120 g       | 0.01 mg            | ±0.015 mg                | 0.02 mg                   | ±0.1 mg   | 80 mm    | 9 × 15.4 × 13.8 in<br>(230 × 393 × 350 mm) | 171348 | \$8,828.00  |
| EX225D    | 120 g/220 g | 0.01 mg/<br>0.1 mg | ±0.015 mg                | 0.02 mg/0.1 mg            | ±0.1 mg   | 80 mm    | 9 × 15.4 × 13.8 in<br>(230 × 393 × 350 mm) | 171349 | \$9,032.00  |
| EX225D/AD | 120 g/220 g | 0.01 mg/<br>0.1 mg | ±0.015 mg                | 0.02 mg/0.1 mg            | ±0.1 mg   | 80 mm    | 9 × 15.4 × 13.8 in<br>(230 × 393 × 350 mm) | 171350 | \$9,331.00  |
| EX225/AD  | 220 g       | 0.01 mg            | ±0.015 mg                | 0.03 mg                   | ±0.1 mg   | 80 mm    | 9 × 15.4 × 13.8 in<br>(230 × 393 × 350 mm) | 171351 | \$11,459.00 |

## Options/Accessories

| Part # | Model #  | Description                  | Price    |
|--------|----------|------------------------------|----------|
| 70406  | 80500525 | RS-232 Cable, PC 9-pin to EX | \$248.00 |
| 156234 | 46001724 | Multi-range AC adapter       | \$65.00  |
| 156235 | 46001780 | International plug set       | \$28.00  |



BALANCES  
OHAUS

### Standard Features

- Easy-to-clean analytical draft shield
- Up-front level indicator
- Selectable environment settings
- Flexibility of available options
- Removable doors for easy cleaning and access
- Up-front level bubble for easy reference
- Selectable environmental settings
- Integral underweigh hook
- Standard security bracket
- RS-232 interface for connecting to printer or PC
- Security menu lock
- Backlight display

### Specifications

#### Weighing Units:

Milligram, Gram, Carat, Ounce, Troy Ounce, Grain, Pennyweight, Momme, Taels, Tical, Tola, Baht, Mesghal, Newton, Custom Unit

#### Operating Modes:

Weighing, Parts Counting, Percent, Density Determination, Dynamic Weighing

#### Power:

120 V AC adapter (220 to 240 V AC adapter by special order), 50/60 Hz

#### Stabilization Time Approx:

4 seconds

#### Calibration Weight:

PX84/E: 50/80  
PX124/E: 50/100  
PX224/E: 100/200

#### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C)

#### Est. Weight:

10 lb (4.5kg)

#### Warranty:

Two-year limited

#### Return Policy:

OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                              | Pan Size        | Dimensions                                   | Part # | List Price |
|---------|----------|-------------|---------------|-----------|---|-----------------|--|--------|------------|
| PX84/E  | 82 g     | 0.1 mg      | 0.1 mg        | 0.2 mg    | 7.32 × 6.30 × 9.05 in<br>(186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in<br>(209 × 321 × 309 mm) | 191850 | \$2,128.00 |
| PX124/E | 120 g    | 0.1 mg      | 0.1 mg        | 0.2 mg    | 7.32 × 6.30 × 9.05 in<br>(186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in<br>(209 × 321 × 309 mm) | 191851 | \$2,455.00 |
| PX224/E | 220 g    | 0.1 mg      | 0.1 mg        | 0.2 mg    | 7.32 × 6.30 × 9.05 in<br>(186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in<br>(209 × 321 × 309 mm) | 191852 | \$2,725.00 |

### Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 67413  | 80850080    | TAL software WinWedge®   | \$575.00 |
| 191875 | 80850043    | Security device  | \$298.00 |
| 102799 | 80780009    | Forceps, 2.75 in (70 mm)   | \$34.00  |
| 102800 | 80780010    | Forceps, 3.5 in (89 mm)  | \$34.00  |
| 33454  | 80250048    | Black scoop, aluminum 4 in × 3.5 in<br>(10.2 cm × 8.9 cm), weight 24 g   | \$49.00  |
| 33451  | 80850359    | Polypropylene Maxi-Scoop™ 10 in dia. × 2.5 in deep<br>(25.4 cm dia. × 6.4 cm deep) with pouring spout,<br>weight 145 g | \$44.00  |
| 97250  | 80250400    | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in  | \$95.00  |
| 100292 | 80250954    | Stainless steel scoop 17.2 in × 11 in × 3.4 in<br>(44 cm × 28 cm × 8.5 cm)   | \$105.00 |
| 156234 | 46001724    | AC adapter (requires 156235 plug set)  | \$65.00  |
| 156235 | 46001780    | Universal plug set   | \$28.00  |
| 191876 | 30472064    | Auxiliary display AD7-RS   | \$93.00  |
| 191877 | 80253384    | Density kit  | \$999.00 |
| 191878 | 83034024    | Sinker glass for density determination   | \$839.00 |
| 191879 | 83021085    | USB interface cable  | \$248.00 |
| 191880 | 30093334    | Dust cover   | \$61.00  |
| 191881 | 30372546    | In-use cover   | \$60.00  |



### Standard Features

- Automatic calibration via AutoCal™
- Communication RS-232C
- On-screen prompts
- Spill channel
- Applications library to store and quickly recall past procedures
- Brilliant backlit, high-resolution dot matrix display with simple navigation windows and menus to guide you through balance functions
- User-selectable GLP outputs via RS-232 to meet traceability requirements
- User-selectable filter, stability indicator and auto-zero tracking for use in difficult environments
- Five-language operation display text
- Standard underweigh capability
- Protective in-use cover and security bracket

### OPTIONS

- NTEP Certified, Legal for Trade models by special order

### Specifications

#### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Carat, Pennyweight, Troy Ounce, Grain, Newton  
(See technical manual for complete listing)

#### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Checkweighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, Pipette Adjustment, SQC

#### Power:

AC adapter input: 100 to 240 VAC 0.6A 50/60 Hz

#### Stabilization Time Approx:

EX124: ≈2 seconds  
EX224: ≈2 seconds  
EX324: ≈3 seconds

#### Calibration:

AutoCal™ at 1.5 °C temperature change, 11 hours, and external calibration

#### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C)

#### Est. Weight:

21.1 lb (9.6 kg)

#### Warranty:

Two-year limited

#### Return Policy:

OHAUS standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Weighing Chamber                           | Pan Size            | Dimensions                                   | Part # | List Price |
|-------|----------|-------------|---------------|-----------|--|---------------------|--|--------|------------|
| EX124 | 120 g    | 0.0001 g    | ±0.0001 g     | ±0.0002 g | 9.5 × 7.5 × 6.5 in<br>(241 × 190 × 165 mm) | Ø 3.5 in<br>(90 mm) | 9.1 × 15.5 × 13.8 in<br>(230 × 393 × 350 mm) | 121192 | \$5,258.00 |
| EX224 | 220 g    | 0.0001 g    | ±0.0001 g     | ±0.0002 g | 9.5 × 7.5 × 6.5 in<br>(241 × 190 × 165 mm) | Ø 3.5 in<br>(90 mm) | 9.1 × 15.5 × 13.8 in<br>(230 × 393 × 350 mm) | 121193 | \$5,842.00 |
| EX324 | 320 g    | 0.0001 g    | ±0.0001 g     | ±0.0002 g | 9.5 × 7.5 × 6.5 in<br>(241 × 190 × 165 mm) | Ø 3.5 in<br>(90 mm) | 9.1 × 15.5 × 13.8 in<br>(230 × 393 × 350 mm) | 121194 | \$6,861.00 |

### Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 35263  | 80850043 | Security device for EX        | \$115.00 |
| 77712  | 80500524 | RS-232 cable, PC 25-pin to EX | \$248.00 |
| 70406  | 80500525 | RS-232 Cable, PC 9-pin to EX  | \$248.00 |
| 156234 | 46001724 | Multi-range AC adapter        | \$65.00  |
| 156235 | 46001780 | International plug set        | \$28.00  |



BALANCES  
OHAUS

# Adventurer® Series

## Standard Features

- Stable, accurate and fast operation, ensuring optimal weighing results
- Color touchscreen with 4.3 in (109 mm) display size
- Dual USB ports and RS-232 provide connectivity options
- Space-saving, top-mounted draft shield on analytical models
- Real-time clock with GLP/GMP data
- Below minimum sample weight indication with minimum weight feature
- AutoCal™ automatic calibration

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Counting, Weighing, Dynamic Weighing, Checkweighing, Percent Weighing, Totalization, Display Hold, Density Determination, Formulation

### Power:

100 to 240 VAC, 0.3A, 50 to 60 HZ AC adapter

### Calibration Weight:

AX124: 100 g  
AX224: 224 g  
AX324: 300 g

### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C)

### Est. Weight:

17.2 lb (7.8 kg)

### Warranty:

Two-year limited

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size       | Weighing Chamber                                | Dimensions                                      | Part # | List Price |
|-------|----------|-------------|---------------|-----------|----------------|---|---|--------|------------|
| AX124 | 120 g    | 0.0001 g    | 1 mg          | 0.2 mg    | 3.5 in (90 mm) | 9.05 × 13.92 × 13.39 in<br>(230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in<br>(354 × 340 × 230 mm) | 164622 | \$3,840.00 |
| AX224 | 220 g    | 0.0001 g    | 1 mg          | 0.2 mg    | 3.5 in (90 mm) | 9.05 × 13.92 × 13.39 in<br>(230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in<br>(354 × 340 × 230 mm) | 164623 | \$4,239.00 |
| AX324 | 320 g    | 0.0001 g    | 1 mg          | 0.2 mg    | 3.5 in (90 mm) | 9.05 × 13.92 × 13.39 in<br>(230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in<br>(354 × 340 × 230 mm) | 164625 | \$4,632.00 |

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B        | \$248.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$298.00 |
| 77712  | 80500524 | 25-pin RS-232 cable (PC)      | \$248.00 |
| 70406  | 80500525 | 9-pin RS-232 cable (PC)       | \$248.00 |



# Scout® SJX Series

## Standard Features

- Automatic Zero Tracking (AZT)
- Integral LCD display
- Auto-off feature
- Programmable tare
- Transportation lock
- Menu/calibration lockout switch

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound/Ounce

### Operating Modes:

Weighing, Parts Counting, Percent Weighing, Checkweighing, Totalization, Density Determination, Display Hold

### Power:

AC adapter (included) or four AA batteries (not included)

### Typical Battery Life:

80 hours

### Verification Interval:

SJX323N/E: 0.01 g  
 SJX622N/E and SJX1502N/E: 0.1 g  
 SJX6201N/E: 1 g

### Draft shield:

SJX323N/E: Yes  
 SJX622N/E, SJX1502N/E, SJX6201N/E: No

### Class:

SJX323N/E and SJX1502N/E: II  
 SJX622N/E and SJX6201N/E: III

### Calibration Weight:

SJX323N/E: 50 g  
 SJX622N/E: 300 g  
 SJX1502M/E: 1.5 kg  
 SJX6201N/E: 5 kg

### Operating Temperature:

Class II: 10 °C to 30 °C (0 °F to 86 °F) at 10% to 80% relative humidity, no condensation  
 Class III: 10 °C to 40 °C (50 °F to 104 °F) at 10% to 80% relative humidity, no condensation

### Est. Weight:

3.3 lb (1.5 kg)

### Warranty:

Two-year limited

### Approvals:

NTEP CC: 16-015  
 Measurement Canada: AM-6008



| Model      | Capacity | Readability | Repeatability | Pan Size                       | Dimensions                               | Part # | List Price |
|------------|----------|-------------|---------------|--------------------------------|--|--------|------------|
| SJX323N/E  | 64 g     | 0.001 g     | 0.002 g       | Ø 3.7 in (Ø 93 mm)             | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 196652 | \$867.00   |
| SJX622N/E  | 620 g    | 0.1 g       | 0.01 g        | Ø 4.7 in (Ø 120 mm)            | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 196653 | \$1,087.00 |
| SJX1502N/E | 1,500 g  | 0.01 g      | 0.02 g        | 6.7 × 5.5 in<br>(170 × 140 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 196654 | \$1,262.00 |
| SJX6201N/E | 6,200 g  | 1 g         | 0.1 g         | 6.7 × 5.5 in<br>(170 × 140 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 196655 | \$1,114.00 |



SJX323N/E



SJX622N/E



SJX1502N/E and SJX6201N/E

BALANCES  
OHAUS

# Valor® 7000 Series

## Standard Features

- Touchless sensors
- Backlit dual LCD display
- Illuminated up-front level indicator
- Internal rechargeable battery
- ABS plastic housing
- Skid-resistant leveling feet
- Menu lock switch
- Multiple application modes
- RS-232 interface for connecting to printer or PC
- Fast stabilizing time

## Specifications

### Weighing Units:

Pound, Ounce, Kilogram, Gram

### Operating Modes:

Weighing, Percent, Checkweighing, Accumulation

### Power:

100 to 240 V, internal rechargeable battery  
210- hour operation with 12 hour full charge

### Stabilization Time:

= 1 second

### NTEP Resolution:

V71P1502T: 3 × 0.001 lb

V71P3T: 6 × 0.002 lb

V71P6T: 15 × 0.005 lb

V71P15T: 30 × 0.01 lb

V71P30T: 60 × 0.02 lb

### Operating Temperature:

14 °F to 104 °F (-10 °C to 40 °C)

### Calibration Weight:

1502T: 1.5 kg / 3 lb

3T: 3 kg / 6 lb

6T: 6 kg / 15 lb

15T: 15 kg / 30 lb

30T: 30 kg / 60 lb

### Est. Weight:

9.2 lb (4.2 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

NTEP: CC 13-022

Measurement Canada: AM-5907C

OIML: R76/2006-NL1-12-46

NSF



| Model     | Capacity | Readability | Pan Size                        | Dimensions                                   | Part # | List Price |
|-----------|----------|-------------|---------------------------------|--|--------|------------|
| V71P1502T | 1.5 kg   | 0.00005 kg  | 11.8 × 8.9 in<br>(300 × 225 mm) | 12.2 × 12.9 × 4.6 in<br>(311 × 327 × 117 mm) | 157316 | \$879.00   |
| V71P3T    | 3 kg     | 0.0001 kg   | 11.8 × 8.9 in<br>(300 × 225 mm) | 12.2 × 12.9 × 4.6 in<br>(311 × 327 × 117 mm) | 157317 | \$879.00   |
| V71P6T    | 6 kg     | 0.0002 kg   | 11.8 × 8.9 in<br>(300 × 225 mm) | 12.2 × 12.9 × 4.6 in<br>(311 × 327 × 117 mm) | 157318 | \$879.00   |
| V71P15T   | 15 kg    | 0.0005 kg   | 11.8 × 8.9 in<br>(300 × 225 mm) | 12.2 × 12.9 × 4.6 in<br>(311 × 327 × 117 mm) | 157319 | \$879.00   |
| V71P30T   | 30 kg    | 0.001 kg    | 11.8 × 8.9 in<br>(300 × 225 mm) | 12.2 × 12.9 × 4.6 in<br>(311 × 327 × 117 mm) | 157320 | \$879.00   |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--------------|----------|
| 154638 | 30037447 | Ethernet kit | \$168.00 |

BALANCES  
OHAUS





# Adventurer® Series

## Standard Features

- Stable, accurate and fast operation, ensuring optimal weighing results
- Color touchscreen with 4.3 in (109 mm) display size
- Dual USB ports and RS-232 provide connectivity options
- Space-saving, top-mounted draft shield on analytical models
- Real-time clock with GLP/GMP data
- Below minimum sample weight indication with minimum weight feature
- AutoCal™

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom

### Operating Modes:

Counting, Weighing, Dynamic Weighing, Checkweighing, Percent Weighing, Totalization, Display Hold, Density Determination, Formulation

### Power:

100 to 240 VAC, 0.3A, 50-60 HZ AC adapter

### Class:

AX224N: I (0.001 g)  
 AX223N/E: II (0.01g)  
 AX423N/E and AX523N/E: II (0.01 g)  
 AX622N/E, AX1502N/E, AX2202N/E,  
 AX4202N/E: II (0.1 g)  
 AX8201N/E: II (1 g)

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Calibration Weight:

224N , AX223 and AX223N/E: 200 g  
 AX423: 400 g  
 AX523: 500 g  
 AX622: 600 g  
 1502N/E: 1500g  
 2202N/E: 2000g  
 4202N/E: 4000g  
 8201N/E: 8000g

### Est. Weight:

AX224N: 17.2 lb (7.8 kg)  
 AX223N/E: 12.8 lb (5.8 kg)  
 AX423N/E and AX523N/E: 12.8 lb (5.8 kg)  
 AX622N/E, AX1502N/E, AX2202N/E, AX4202N/E:  
 14.4 lb (6.5 kg)  
 AX8201N/E: 12.6 lb (5.7 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

NTEP CC: 14-082  
 Measurement Canada: AM-5957



| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                                   | Part # | List Price |
|---|----------|-------------|---------------|-----------|-----------------------------|--|--------|------------|
| <b>NTEP Certified and Measurement Canada Approved</b> |          |             |               |           |                             |  |        |            |
| AX224N  | 220 g    | 0.0001 g    | 2 mg          | 0.2 mg    | 3.5 in (90 mm)              | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164624 | \$4,498.00 |
| AX223N/E  | 220 g    | 0.001 g     | 0.001 g       | 0.2 mg    | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164627 | \$2,044.00 |
| AX423N/E  | 420 g    | 0.001 g     | 0.001 g       | 0.002 mg  | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164629 | \$2,438.00 |
| AX523N/E  | 520 g    | 0.001 g     | 0.001 g       | 0.002 mg  | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164632 | \$2,707.00 |
| AX622N/E  | 620 g    | 0.01 g      | 0.001 g       | 0.002 mg  | 6.9 × 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164634 | \$1,582.00 |
| AX1502N/E   | 1,520 g  | 0.01 g      | 0.001 g       | 0.002 mg  | 6.9 × 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164636 | \$1,785.00 |
| AX2202N/E   | 2,200 g  | 0.01 g      | 0.01 g        | 0.002 mg  | 6.9 × 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164638 | \$1,982.00 |
| AX4202N/E   | 4,200 g  | 0.01 g      | 0.01 g        | 0.002 mg  | 6.9 × 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164640 | \$2,511.00 |
| AX8201N/E   | 8,200 g  | 0.1 g       | 0.1 g         | 0.02 mg   | 6.9 × 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164644 | \$1,982.00 |

**BALANCES  
OHAUS**

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B        | \$248.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$298.00 |
| 77712  | 80500524 | 25-pin RS-232 cable (PC)      | \$248.00 |
| 70406  | 80500525 | 9-pin RS-232 cable (PC)       | \$248.00 |



# Adventurer® Series

## Standard Features

- Stable, accurate and fast operation, ensuring optimal weighing results
- Color touchscreen with 4.3 in (109 mm) display size
- Dual USB ports and RS-232 provide connectivity options
- Space-saving, top-mounted draft shield on analytical models
- Real-time clock with GLP/GMP data
- Below minimum sample weight indication with minimum weight feature
- AutoCal™ automatic internal calibration for optimized weighing performance

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom

### Operating Modes:

Counting, Weighing, Dynamic Weighing, Checkweighing, Percent Weighing, Totalization, Display Hold, Density Determination, Formulation

### Power:

100 to 240 VAC, 0.3A, 50 to 60 HZ AC adapter

### Stabilization Time:

= 1 second

### Calibration Weight:

AX223: 200 g  
AX423: 400 g  
AX523: 500 g  
AX622: 600 g

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

AX223, AX423, AX523: 12.8 lb (5.8 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                                   | Part # | List Price |
|-------|----------|-------------|---------------|-----------|-----------------------------|--|--------|------------|
| AX223 | 220 g    | 0.001 g     | 0.001 g       | 0.2 mg    | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164626 | \$2,325.00 |
| AX423 | 420 g    | 0.001 g     | 0.001 g       | 0.002 mg  | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164628 | \$2,804.00 |
| AX523 | 520 g    | 0.001 g     | 0.001 g       | 0.002 mg  | 5.1 in (130 mm)             | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164630 | \$3,063.00 |
| AX622 | 620 g    | 0.01 g      | 0.001 g       | 0.002 mg  | 6.9 x 7.7 in (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)  | 164633 | \$1,762.00 |

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B        | \$248.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$298.00 |
| 77712  | 80500524 | 25-pin RS-232 cable (PC)      | \$248.00 |
| 70406  | 80500525 | 9-pin RS-232 cable (PC)       | \$248.00 |



## Standard Features

- Easy-to-clean analytical draft shield (select models)
- Removable doors for easy cleaning and access
- Up-front level bubble for easy reference
- Selectable environmental settings
- Integral underweigh hook
- Standard security bracket
- RS-232 interface for connecting to printer or PC
- Security menu lock
- Backlight display
- Flexibility of available options

## Specifications

### Weighing Units:

Milligram, Gram, Carat, Ounce, Troy Ounce, Grain, Pennyweight, Momme, Tael, Tola, Baht, Mesghal, Newton, Custom Unit

### Operating Modes:

Weighing, Parts Counting, Percent, Density, Determination, Dynamic Weighing

### Power:

120 V AC adapter (220 to 240 V AC adapter by special order), 50/60 Hz

### Stabilization Time:

Approx. 4 seconds

### Calibration Weight:

PX163/E: 100/150 g  
 PX323/E: 200/300 g  
 PX523/E: 200/500 g

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

10 lb (4.5kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                                | Part # | List Price |
|---------|----------|-------------|---------------|-----------|------------------|---|--------|------------|
| PX163/E | 160 g    | 0.001 g     | 1 mg          | 2 mg      | 4.72 in (120 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191853 | \$1,239.00 |
| PX323/E | 320 g    | 0.001 g     | 1 mg          | 2 mg      | 4.72 in (120 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191854 | \$1,441.00 |
| PX523/E | 520 g    | 0.001 g     | 1 mg          | 2 mg      | 4.72 in (120 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191855 | \$1,824.00 |

## Options/Accessories

| Part # | A&D Model # | Description  | Price    |
|--------|-------------|--|----------|
| 67413  | 80850080    | TAL software WinWedge®   | \$575.00 |
| 191875 | 80850043    | Security device  | \$298.00 |
| 102799 | 80780009    | Forceps, 2.75 in (70 mm)   | \$34.00  |
| 102800 | 80780010    | Forceps, 3.5 in (89 mm)  | \$34.00  |
| 33454  | 80250048    | Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g  | \$49.00  |
| 33451  | 80850359    | Polypropylene Maxi-Scoop™ 10 in dia. × 2.5 in deep (25.4 cm dia. × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 97250  | 80250400    | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in  | \$95.00  |
| 100292 | 80250954    | Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm)  | \$105.00 |
| 156234 | 46001724    | AC adapter (requires 156235 plug set)  | \$65.00  |
| 156235 | 46001780    | Universal plug set   | \$28.00  |
| 191876 | 30472064    | Auxiliary display AD7-RS   | \$93.00  |
| 191877 | 80253384    | Density kit  | \$999.00 |
| 191878 | 83034024    | Sinker glass for density determination   | \$839.00 |
| 191879 | 83021085    | USB interface cable  | \$248.00 |
| 191880 | 30093334    | Dust cover   | \$61.00  |
| 191881 | 30372546    | In-use cover   | \$60.00  |



BALANCES  
OHAUS

# Explorer® Series

## Standard Features

- Capacities from 220 g to 10.2 kg with Readability to 0.001 g
- Large, 5.7 full-color touchscreen display with intuitive setup and application software
- AutoCal™ automatic internal calibration for optimized weighing performance
- 14 application modes, 11 weighing units and 5 display languages for a wide variety of applications
- Four programmable touchless sensors for hands-free operation
- 0.001 g models feature frameless draftshield with anti-static glass, flip-top and large side entry doors on top-mounted bearings

### OPTIONS

- External calibration models available upon request

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Checkweighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, Pipette Adjustment, SQC

### Power Requirements:

AC adapter input: 100 to 240 VAC 0.6A 50 /60 Hz

### Stabilization Time:

= 1.5 second

### Calibration:

AutoCal™ at 1.5 °C temperature change, 11 hours, and external calibration

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

21.1 lb (9.6 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Weighing Chamber   | Pan Size          | Dimensions                                | Part # | List Price |
|--------|----------|-------------|---------------|-----------|--------------------|-------------------|---|--------|------------|
| EX223  | 220 g    | 0.001 g     | ±0.001 g      | ±0.002 g  | 9.5 × 7.5 × 6.5 in | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121195 | \$3,451.00 |
| EX423  | 420 g    | 0.001 g     | ±0.001 g      | ±0.002 g  | 9.5 × 7.5 × 6.5 in | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121196 | \$4,036.00 |
| EX623  | 620 g    | 0.001 g     | ±0.001 g      | ±0.002 g  | 9.5 × 7.5 × 6.5 in | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121197 | \$4,931.00 |
| EX1103 | 1,100 g  | 0.001 g     | ±0.001 g      | ±0.002 g  | 9.5 × 7.5 × 6.5 in | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121198 | \$5,780.00 |

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 35263  | 80850043 | Security device               | \$115.00 |
| 77712  | 80500524 | RS-232 cable, PC 25-pin to EX | \$248.00 |
| 70406  | 80500525 | RS-232 Cable, PC 9-pin to EX  | \$248.00 |
| 156234 | 46001724 | Multi-range AC adapter        | \$65.00  |
| 156235 | 46001780 | International plug set        | \$28.00  |

BALANCES  
OHAUS



## Standard Features

- ABS housing and stainless steel pan
- Display type (SPX): backlit LCD, six-digit, seven-segment with white LED backlight
- Display type (STX): full-color touchscreen WQVGA graphic LCD

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton, Pound/Ounce (See technical manual for complete listing)

### Operating Modes:

Weighing, Parts Counting, Percent Weighing, Checkweighing, Totalization, Display Hold, Only available on STX models: Animal/Dynamic Weighing, Density Determination, Mole Weighing

### Power:

Multi-range, multi-plug AC power or battery (uses 4 AA batteries not included)

### Stabilization Time:

1 second

### Typical Battery Life:

SPX123, SPX223, SPX422, SPX622, SPX1202, SPX2202, SPX6201: 80 hours  
 SPX222, SPX421, SPX621, SPX2201, SPX8200: 120 hours

### Calibration Weight:

SPX123 and STX123: 100 g  
 SPX223, STX223: 200 g

### Operating Temperature:

10 °C to 40 °C (50 °F to 104 °F);  
 10% to 85% at 31 °C, decreasing linearly to 50% at 40 °C (no condensation)

### Est. Weight:

2.8 lb (1.24 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model                    | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                               | Part # | List Price |
|--------------------------|----------|-------------|---------------|-----------|------------------|--|--------|------------|
| <b>LCD Model</b>         |          |             |               |           |                  |  |        |            |
| SPX123                   | 120 g    | 0.001 g     | 2d            | 0.003 g   | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 171984 | \$867.00   |
| SPX223                   | 220 g    | 0.001 g     | 2d            | 0.001 g   | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 171985 | \$968.00   |
| <b>Touchscreen Model</b> |          |             |               |           |                  |  |        |            |
| STX123                   | 120 g    | 0.001 g     | 2d            | 0.003 g   | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 171996 | \$985.00   |
| STX223                   | 220 g    | 0.001 g     | 2d            | 0.001 g   | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in<br>(202 × 222 × 103 mm) | 171998 | \$1,104.00 |

## Options/Accessories

| Part # | Model #  | Description                        | Price    |
|--------|----------|------------------------------------|----------|
| 67413  | 80850080 | WinWedge® TAL Software             | \$575.00 |
| 181878 | 30330714 | Power supply, US plug, 110/220 VAC | \$34.00  |

BALANCES  
OHAUS



# Pioneer® PX Series

## Standard Features

- Up-front level bubble for easy reference
- Selectable environmental settings
- Integral under weigh hook
- Standard security bracket
- RS-232 interface for connecting to printer or PC
- Security menu lock
- Backlight display
- Flexibility of available options

## Specifications

### Weighing Units:

Milligram, Gram, Carat, Ounce, Troy Ounce, Grain, Pennyweight, Momme, Tical, Tola, Baht, Mesghal, Newton, Custom Unit

### Operating Modes:

Weighing, Parts Counting, Percent, Density Determination, Dynamic Weighing

### Power:

120 V AC adapter (220 to 240 V AC adapter by special order), 50/60 Hz

### Stabilization Time:

160 to 520 g: two seconds  
1,600 to 4,200 g: one second

### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C)

### Calibration Weight:

PX1602/E: 1,000/1,500 g  
PX2202/E: 1,000/2,000 g  
PX3202/E: 2,000/3,000 g  
PX4202/E: 2,000/4,000 g  
PX2201/E: 1,000/2,000 g  
PX4201/E: 2,000/4,000 g

### Est. Weight:

160 to 520 g: 10 lb (4.5 kg)  
1,600 to 4,200 g: 7.7 lb (3.5 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability | Linearity | Pan Size        | Dimensions                                 | Part # | List Price |
|----------|----------|-------------|---------------|-----------|-----------------|--|--------|------------|
| PX1602/E | 1,600 g  | 0.01 g      | 10 mg         | 20 mg     | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191856 | \$1,193.00 |
| PX2202/E | 2,200 g  | 0.01 g      | 10 mg         | 20 mg     | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191857 | \$1,307.00 |
| PX3202/E | 3,200 g  | 0.01 g      | 10 mg         | 20 mg     | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191858 | \$1,571.00 |
| PX4202/E | 4,200 g  | 0.01 g      | 10 mg         | 20 mg     | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191859 | \$1,785.00 |
| PX2201/E | 2,200 g  | 0.1 g       | 100 mg        | 200 mg    | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191860 | \$1,109.00 |
| PX4201/E | 4,200 g  | 0.1 g       | 100 mg        | 200 mg    | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in<br>(209 × 321 × 98 mm) | 191861 | \$1,278.00 |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 67413  | 80850080 | TAL software WinWedge®   | \$575.00 |
| 191875 | 80850043 | Security device  | \$298.00 |
| 102799 | 80780009 | Forceps, 2.75 in (70 mm)   | \$34.00  |
| 102800 | 80780010 | Forceps, 3.5 in (89 mm)  | \$34.00  |
| 33454  | 80250048 | Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g  | \$49.00  |
| 33451  | 80850359 | Polypropylene Maxi-Scoop™ 10 in dia. × 2.5 in deep (25.4 cm dia. × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 97250  | 80250400 | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in  | \$95.00  |
| 100292 | 80250954 | Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm)  | \$105.00 |
| 156234 | 46001724 | AC adapter (requires 156235 plug set)  | \$65.00  |
| 156235 | 46001780 | Universal plug set   | \$28.00  |
| 191876 | 30472064 | Auxiliary display AD7-RS   | \$93.00  |
| 191877 | 80253384 | Density kit  | \$999.00 |
| 191878 | 83034024 | Sinker glass for density determination   | \$839.00 |
| 191879 | 83021085 | USB interface cable  | \$248.00 |
| 191880 | 30093334 | Dust cover   | \$61.00  |
| 191881 | 30372546 | In-use cover   | \$60.00  |

BALANCES  
OHAUS



## Standard Features

- Large, 5.7 full-color touchscreen display with intuitive set up and application software
- AutoCal™ automatic internal calibration for optimized weighing performance
- 14 application modes, 11 weighing units and 5 display languages for a wide variety of applications
- Four programmable touchless sensors for hands-free operation

## OPTIONS

- External calibration models available upon request

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Parts Counting, Checkweighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Gold, Ingredient Costing, Pipette Adjustment, SQC

### Power Requirements:

AC adapter input: 100 to 240 VAC 0.6A 50/60 Hz

### Stabilization Time:

EX2202, EX4202, EX6202, EX10202, EX6201, EX10201: ≈1 second

### Calibration:

AutoCal™ at 1.5 °C temperature change, 11 hours and external calibration

### Operating Temperature Range:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

EX2202, EX4202: 15 lb (6.8 kg)  
EX6202, EX10202, EX6201, EX10201: 16.3 lb (7.4 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                                 | Part # | List Price |
|---------|----------|-------------|---------------|-----------|--------------------------------|--|--------|------------|
| EX2202  | 2,200 g  | 0.01 g      | ±0.01 g       | ±0.02 g   | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121199 | \$3,732.00 |
| EX4202  | 4,200 g  | 0.01 g      | ±0.01 g       | ±0.02 g   | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121200 | \$4,290.00 |
| EX6202  | 6,200 g  | 0.01 g      | ±0.01 g       | ±0.02 g   | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121201 | \$4,869.00 |
| EX10202 | 10,200 g | 0.01 g      | ±0.01 g       | ±0.02 g   | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121202 | \$5,775.00 |
| EX6201  | 6,200 g  | 0.1 g       | ±0.1 g        | ±0.1 g    | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121203 | \$4,048.00 |
| EX10201 | 10,200 g | 0.1 g       | ±0.1 g        | ±0.1 g    | 7.5 × 7.9 in<br>(190 × 200 mm) | 9.1 × 15.5 × 3.9 in<br>(230 × 393 × 98 mm) | 121204 | \$4,436.00 |

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 35263  | 80850043 | Security device               | \$115.00 |
| 77712  | 80500524 | RS-232 cable, PC 25-pin to EX | \$248.00 |
| 70406  | 80500525 | RS-232 Cable, PC 9-pin to EX  | \$248.00 |
| 156234 | 46001724 | Multi-range AC adapter        | \$65.00  |
| 156235 | 46001780 | International plug set        | \$28.00  |



BALANCES  
OHAUS

# Adventurer® Series

## Standard Features

- AutoCal™ automatic internal calibration for optimized weighing performance
- Stable, accurate and fast operation, ensuring optimal weighing results
- Color touchscreen with 4.3 in (109 mm) display size
- Dual USB ports and RS-232 provide connectivity options
- Real-time clock with GLP/GMP data
- Below minimum sample weight indication with minimum weight feature

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Counting, Weighing, Dynamic Weighing, Checkweighing, Percent Weighing, Totalization, Display Hold, Density Determination, Formulation

### Power:

100 to 240 VAC, 0.3A, 50 /60 HZ AC adapter

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

AX1502, AX2202, AX4202: 14.4 lb (6.5 kg)  
AX8201, AX5202: 12.6 lb (5.7 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                                     | Part # | List Price |
|--------|----------|-------------|---------------|-----------|--------------------------------|--|--------|------------|
| AX1502 | 1,520 g  | 0.01 g      | 0.001 g       | 0.002 mg  | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164635 | \$2,151.00 |
| AX2202 | 2,200 g  | 0.01 g      | 0.01 g        | 0.002 mg  | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164637 | \$2,291.00 |
| AX4202 | 4,200 g  | 0.01 g      | 0.01 g        | 0.002 mg  | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164639 | \$2,877.00 |
| AX5202 | 5,200 g  | 0.01 g      | 0.01 g        | 0.002 mg  | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164641 | \$3,259.00 |
| AX4201 | 4,200 g  | 0.1 g       | 0.1 g         | 0.02 mg   | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164642 | \$1,898.00 |
| AX8201 | 8,200 g  | 0.1 g       | 0.1 g         | 0.02 mg   | 6.9 × 7.7 in<br>(175 × 195 mm) | 13.93 × 3.94 × 9.05 in<br>(354 × 100 × 230 mm) | 164643 | \$2,218.00 |

## Options/Accessories

| Part # | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B        | \$248.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$298.00 |
| 77712  | 80500524 | 25-pin RS-232 cable (PC)      | \$248.00 |
| 70406  | 80500525 | 9-pin RS-232 cable (PC)       | \$248.00 |





# Navigator™ XT Series

## Standard Features

- Touchless IR (infrared) sensors minimize keypad use
- Program IR sensor to control zero, print tare, backlight and power functions
- Backlit 0.8 in LCD display for high visibility
- Illuminated level indicator at start-up
- Integrated transportation and calibration lock switch
- Hygienic design for easy cleanup in food, laboratory and industrial applications
- Impact-resistant ABS plastic housing with polished stainless steel spill-resistant pan
- Non-skid leveling feet

## Specifications

### Weighing Units:

Gram, Carat, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Pound/Ounce, (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent, Parts Counting, Checkweighing, Display Hold, Accumulation/Totalization

### Power:

12 VDC 0.42 A AC adapter, 100 to 240 V, four C-batteries (not included)

### Stabilization Time:

1 second (NVT4201=1.5 seconds)

### Ext. Cal. Mass (optional):

NVT2201: 2 lb (1 kg)  
 NVT4201: 5 lb (2 kg)  
 NVT6200: 10 lb (5 kg)  
 NVT12000: 10 lb (5 kg)  
 NVT2200: 20 lb (10 kg)

### Operating Temperature:

10 °C to 40 °C (50 °F to 104 °F) at 20% to 85% RH

### Est. Weight:

5.1 lb (2.3 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model    | Capacity | Readability | Linearity    | Pan Size                       | Dimensions                                | Part # | List Price |
|----------|----------|-------------|--------------|--------------------------------|---|--------|------------|
| NVT2201  | 2,200 g  | 0.1 g       | 0.1 g/±0.2 g | 9.1 × 6.9 in<br>(230 × 174 mm) | 9.5 × 9.8 × 2.9 in<br>(240 × 250 × 74 mm) | 194607 | \$491.00   |
| NVT4201  | 4,200 g  | 0.1 g       | 0.1 g/±0.2 g | 9.1 × 6.9 in<br>(230 × 174 mm) | 9.5 × 9.8 × 2.9 in<br>(240 × 250 × 74 mm) | 194608 | \$614.00   |
| NVT6200  | 6,200 g  | 1 g         | 1 g/±2 g     | 9.1 × 6.9 in<br>(230 × 174 mm) | 9.5 × 9.8 × 2.9 in<br>(240 × 250 × 74 mm) | 194609 | \$614.00   |
| NVT12000 | 12,000 g | 1 g         | 1 g/±2 g     | 9.1 × 6.9 in<br>(230 × 174 mm) | 9.5 × 9.8 × 2.9 in<br>(240 × 250 × 74 mm) | 194610 | \$664.00   |
| NVT22000 | 22,000 g | 1 g         | 1 g/±2 g     | 9.1 × 6.9 in<br>(230 × 174 mm) | 9.5 × 9.8 × 2.9 in<br>(240 × 250 × 74 mm) | 194611 | \$794.00   |

## Options/Accessories

| Part # | Model #  | Description                            | Price    |
|--------|----------|--|----------|
| 118779 | 83032107 | RS-232 interface kit, Navigator series | \$215.00 |
| 118780 | 83032108 | USB interface kit                      | \$215.00 |
| 118781 | 83032109 | Ethernet interface kit                 | \$215.00 |
| 194616 | 30467963 | Carrying case                          | \$141.00 |
| 194615 | 30467987 | Universal AC adapter                   | \$51.00  |



## Standard Features

- ABS housing and stainless steel pan
- Display type (SPX): backlit LCD, six-digit, seven-segment with white LED backlight
- Display type (STX): full-color touchscreen WQVGA graphic LCD

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton, Pound/Ounce (See technical manual for complete listing)

### Operating Modes:

Weighing, Parts Counting, Percent Weighing, Checkweighing, Totalization, Display Hold, Only available on STX models: Animal/Dynamic Weighing, Density Determination, Mole Weighing

### Power:

Multi-range, multi-plug AC power or battery (uses four-AA batteries not included)

### Stabilization Time:

1 second

### Typical Battery Life:

SPX422, SPX622, SPX1202, SPX2202, SPX6201: 80 hours  
 SPX222, SPX421, SPX621, SPX2201, SPX8200: 120 hours

### Calibration Weight:

SPX222, STX222: 200 g  
 SPX422, SPX421, STX422, SPT421: 400 g  
 SPX622, SPX621, STX622, STX621: 600 g  
 SPX1202 and STX1202: 1,000 g  
 SPX2202, SPX2201, STX2202, STX2201: 2,000 g  
 SPX6201: 6,000 g  
 SPX8200: 8,000 g

### Operating Temperature:

10 °C to 40 °C (50 °F to 104 °F);  
 10% to 85% at 31 °C, decreasing linearly to 50% at 40 °C (no condensation)

### Est. Weight:

2.8 lb (1.24 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model            | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                              | Part # | List Price |
|------------------|----------|-------------|---------------|-----------|-----------------------------|---|--------|------------|
| <b>LCD Model</b> |          |             |               |           |                             |   |        |            |
| SPX222           | 220 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171986 | \$631.00   |
| SPX422           | 420 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171987 | \$884.00   |
| SPX622           | 620 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171988 | \$1,037.00 |
| SPX1202          | 1,200 g  | 0.01 g      | 2d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171989 | \$1,183.00 |
| SPX2202          | 2,200 g  | 0.01 g      | 2d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171990 | \$1,329.00 |
| SPX421           | 420 g    | 0.1 g       | 1d            | 0.1 g     | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171991 | \$348.00   |
| SPX621           | 620 g    | 0.1 g       | 1d            | 0.1 g     | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171992 | \$515.00   |
| SPX2201          | 2,200 g  | 0.1 g       | 1d            | 0.1 g     | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171993 | \$659.00   |
| SPX6201          | 6,200 g  | 0.1 g       | 1d            | 0.2 g     | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171994 | \$1,076.00 |
| SPX8200          | 8,200 g  | 1 g         | 1d            | 1 g       | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171995 | \$538.00   |

BALANCES  
OHAUS



SPX Round Pan

| Model                    | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                              | Part # | List Price |
|--------------------------|----------|-------------|---------------|-----------|-----------------------------|---|--------|------------|
| <b>Touchscreen Model</b> |          |             |               |           |                             |   |        |            |
| STX222                   | 220 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 171999 | \$726.00   |
| STX422                   | 420 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172000 | \$1,014.00 |
| STX622                   | 620 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172001 | \$1,188.00 |
| STX1202                  | 1,200 g  | 0.01 g      | 2d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172002 | \$1,357.00 |
| STX2202                  | 2,200 g  | 0.01 g      | 2d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172003 | \$1,515.00 |
| STX421                   | 420 g    | 0.01 g      | 1d            | 0.01 g    | Ø 4.7 in (120 mm)           | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172004 | \$410.00   |
| STX621                   | 620 g    | 0.1 g       | 1d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172005 | \$614.00   |
| STX2201                  | 2,200 g  | 0.1 g       | 1d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172006 | \$777.00   |
| STX6201                  | 6,200 g  | 0.1 g       | 1d            | 0.02 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172007 | \$1,228.00 |
| STX8200                  | 8,200 g  | 1 g         | 1d            | 0.01 g    | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in<br>(202 × 224 × 54 mm) | 172008 | \$636.00   |

## Options/Accessories

| Part # | Model #  | Description                        | Price    |
|--------|----------|------------------------------------|----------|
| 67413  | 80850080 | WinWedge® TAL Software             | \$575.00 |
| 181878 | 30330714 | Power supply, US plug, 110/220 VAC | \$34.00  |



STX Rectangular Pan

# Valor® 3000 Xtreme Series

## Standard Features

- Full 304 stainless steel housing with chemical resistant keypad
- Removable stainless steel weighing pan
- USDA approved
- Supports HACCP
- Resolutions up to 20,000d
- SmarText™ user interface
- Bright backlit LCD display
- Convenient up-front level device
- NSF listed
- NTEP CC 08-008 models available by special order

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Decimal, Pound/Ounce, Fractional Ounces (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Combined Zero/Tare, Specific Gravity

### Power:

20 V AC adapter (9 V DC, 0.5 A), four 1.5 Volt C batteries (not included)

### Stabilization Time:

<3 seconds

### Battery life:

V31XH202, V31XH402, V31X501:  
50 hours with alkaline cells  
V31XH2, V31X3, V31XH4, V31X6:  
120 hours with alkaline cells

### Protection Rating:

IP44 (non-washdown)

### Calibration:

Digital external calibration

### Operating Temperature

0 °C to 40 °C (32 °F to 104 °F)

### Est. Weight:

10 lb (4.8 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

NSF



| Model    | Capacity | Readability | Pan Size                       | Dimensions                              | Part # | List Price |
|----------|----------|-------------|--------------------------------|---|--------|------------|
| V31XH202 | 200 g    | 0.01 g      | 4.7 in (120 mm)                | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100283 | \$985.00   |
| V31XH402 | 400 g    | 0.01 g      | 4.7 in (120 mm)                | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 117790 | \$1,346.00 |
| V31X501  | 500 g    | 0.1 g       | 4.7 in (120 mm)                | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 117789 | \$726.00   |
| V31XH2   | 2 kg     | 0.1 g       | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100284 | \$985.00   |
| V31X3    | 3 kg     | 1 g         | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100285 | \$654.00   |
| V31XH4   | 4 kg     | 0.1 g       | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 117792 | \$1,346.00 |
| V31X6    | 6 kg     | 1 g         | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100286 | \$654.00   |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 103119 | 80251216 | Hardshell carrying case for FD and Valor   | \$170.00 |
| 102756 | 80251147 | Sandwich pan, 11 in × 5.9 in (280 × 150 mm)  | \$111.00 |
| 102757 | 80251148 | French fries holder pan  | \$111.00 |
| 102758 | 80251149 | Ice cream cone holder  | \$111.00 |
| 33451  | 80850359 | Polypropylene Maxi-Scoop™ 10 dia × 2.5 in deep (25.4 dia × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)  | \$105.00 |
| 97250  | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)   | \$95.00  |



# Valor® 3000 Xtreme Series Washdown

## Standard Features

- Full 304 stainless steel housing with chemical resistant keypad
- Removable stainless steel weighing pan
- USDA approved
- Supports HACCP
- NTEP CC 08-008 models available (model specific)

## Specifications

### Weighing Units:

Gram, Kilogram, Decimal Ounce, Fractional Ounces, Pound/Ounces (See technical manual for complete listing)

### Operating Modes:

Weighing, Percent Weighing, Combined Zero/Tare, Specific Gravity

### Power:

120 V AC adapter (9 V DC, 0.5 A), four 1.5 Volt C batteries (not included)

### Stabilization Time:

<3 seconds

### Battery Life:

V31XW301 and V31XW3: 50 hours with alkaline cells  
V31XW6: 120 hours with alkaline cells

### Protection Rating:

IP65

### Calibration:

Digital external calibration

### Operating Temperature:

0 °C to 40 °C (32 °F to 104 °F)

### Est. Weight:

10 lb (4.8 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

NTEP: CC 08-008



| Model                 | Capacity | Resolution | Pan Size                       | Dimensions                              | Part # | List Price |
|-----------------------|----------|------------|--------------------------------|---|--------|------------|
| V31XW301              | 300 g    | 0.1 g      | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100287 | \$766.00   |
| <b>NTEP Certified</b> |          |            |                                |   |        |            |
| V31XW3                | 3 kg     | 1 g        | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100288 | \$750.00   |
| V31XW6                | 6 kg     | 2 g        | 5.8 × 6.2 in<br>(146 × 158 mm) | 8.5 × 7.3 × 3 in<br>(218 × 186 × 72 mm) | 100289 | \$750.00   |

## Options/Accessories

| Part#  | Model#   | Description  | Price    |
|--------|----------|--|----------|
| 103119 | 80251216 | Hardshell carrying case  | \$170.00 |
| 102756 | 80251147 | Sandwich pan, 11 in × 5.9 in (280 × 150 mm)  | \$111.00 |
| 102757 | 80251148 | French fries holder pan  | \$111.00 |
| 102758 | 80251149 | Ice cream cone holder  | \$111.00 |
| 33451  | 80850359 | Polypropylene Maxi-Scoop™ 10 dia × 2.5 in deep (25.4 dia × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)  | \$105.00 |
| 97250  | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)   | \$95.00  |



**BALANCES  
OHAUS**

# Valor® 2000 Series Washdown

## Standard Features

- Front and rear dual display, 0.8 in (20.5 mm)
- Removable stainless steel platform cover
- Fast 0.5 second stabilization time
- SmarText™ interface
- Knife-proof keypad

## Specifications

### Weighing Units:

Grams, Kilograms, Pounds, Ounces, Pound/Ounce

### Operating Modes:

Weigh, Checkweigh

### Power:

Universal AC adapter, 12 VDC 0.7 A internal rechargeable lead acid battery

### Stabilization Time:

<1 second

### Battery Life:

50 hours with 1 hour recharge time

### Protection Rating:

IPX8

### Safe Overload:

150% of capacity

### Calibration:

Digital external calibration

### Operating Temperature:

-10 °C to 40 °C (14 °F to 104 °F)

### Est. Weight:

8.6 lb (3.9 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model     | Capacity | Readability | Pan Size                       | Dimensions                                   | Part # | List Price |
|-----------|----------|-------------|--------------------------------|--|--------|------------|
| V22XWE3T  | 3 kg     | 0.5 g       | 7.5 × 9.5 in<br>(242 × 190 mm) | 10.1 × 11.3 × 4.9 in<br>(256 × 288 × 124 mm) | 102771 | \$688.00   |
| V22XWE6T  | 6 kg     | 1 g         | 7.5 × 9.5 in<br>(242 × 190 mm) | 10.1 × 11.3 × 4.9 in<br>(256 × 288 × 124 mm) | 102772 | \$688.00   |
| V22XWE15T | 15 kg    | 2 g         | 7.5 × 9.5 in<br>(242 × 190 mm) | 10.1 × 11.3 × 4.9 in<br>(256 × 288 × 124 mm) | 102773 | \$688.00   |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 33451  | 80850359 | Polypropylene Maxi-Scoop™ 10 dia × 2.5 in deep (25.4 dia × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 97250  | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)   | \$95.00  |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)  | \$105.00 |



# Compass CX Series

## Standard Features

- Superior RF protection
- Reliable, stable results
- CE listed and FCC Class B Part 15 operation
- Large, removable stainless steel weighing platform
- Low-profile design
- Easy operation
- Low-battery indicator
- Automatic shutoff
- Overload protection
- Push-button calibration

## Specifications

### Weighing Units:

Grams, Pound/Ounce and Newton

### Operating Modes:

Weighing

### Power:

3 AA alkaline batteries (included) or AC adapter (not included)

### Battery Life:

1,000 hours

### Stabilization Time:

CX221, CX621: 1.5 seconds  
 CX1201: 2 seconds  
 CX2200, CX5200, CX221P, CX2200P, CX5200P: 1.5 seconds

### Operating Temperature:

18 °C to 25 °C (64 °F to 77 °F)

### Calibration Weight:

CX221: 200 g  
 CX621: 500 g  
 CX1201, CX2200: 1 kg  
 CX5200: 2 kg

### Est. Weight:

0.91 lb (0.47 kg)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

CE Listed



| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                                | Part # | List Price |
|---------|----------|-------------|---------------|-----------|-----------------------------|---|--------|------------|
| CX221   | 220 g    | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195245 | \$205.00   |
| CX621   | 620 g    | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195246 | \$212.00   |
| CX1201  | 1,200 g  | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195247 | \$225.00   |
| CX2200  | 2,200 g  | 1 g         | 1 g           | ±1 g      | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195248 | \$205.00   |
| CX5200  | 5,200 g  | 1 g         | 1 g           | ±1 g      | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195249 | \$242.00   |
| CX221P  | 220 g    | 0.1 g       | 0.1 g         | ±0.1 g    | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195250 | \$220.00   |
| CX2200P | 2,200 g  | 1 g         | 1 g           | ±1 g      | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195251 | \$221.00   |
| CX5200P | 5,200 g  | 1 g         | 1 g           | ±1 g      | 5 × 5.6 in (12.7 × 14.2 cm) | 5.3 × 7.9 × 1.6 in (13.5 × 20.1 × 4.1 cm) | 195252 | \$242.00   |

## Options/Accessories

| Part # | Model #  | Description      | Price   |
|--------|----------|------------------|---------|
| 195254 | 30467763 | Carrying case    | \$85.00 |
| 181878 | 30330714 | US power adapter | \$34.00 |
| 195256 | 30333865 | AU power adapter | \$35.00 |
| 195257 | 30333866 | EU power adapter | \$35.00 |
| 195258 | 30333867 | UK power adapter | \$35.00 |
| 70434  | 80850075 | Bowl, 1,050 mL   | \$71.00 |



BALANCES  
OHAUS

# Compass CR Series

## Standard Features

- Basic weighing with simple 2-button keypad
- Superior RF protection
- Large weighing platform
- Stackable design with integrated shipping lock
- Low battery indicator
- Auto shut-off feature
- Mechanical and software overload protection
- External push-button calibration

## Specifications

**Weighing Units:**  
Grams, Pound/Ounces, Pennyweight, Troy Ounces

**Operating Modes:**  
Weighing

**Power:**  
3 AA batteries (included) (AC adapter is optional)

**Stabilization Time:**  
3 seconds

**Battery Life:**  
300 hours

**Operating Temperature:**  
18 °C to 25 °C (65 °F to 77 °F)

**Calibration Weight:**  
CR221: 200 g  
CR621: 500 g  
CR2200: 1 kg  
CR5200: 2 kg

**Est. Weight:**  
0.875 lb (0.4 kg)

**Warranty:**  
One-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model  | Capacity | Readability | Repeatability | Linearity | Pan Size                    | Dimensions                                 | Part # | List Price |
|--------|----------|-------------|---------------|-----------|-----------------------------|--|--------|------------|
| CR221  | 220 g    | 0.1 g       | 0.1 g         | ± 0.1 g   | 5 × 5.2 in (12.7 × 13.2 cm) | 5.5 × 8.1 × 1.6 in<br>(14 × 20.6 × 4.1 cm) | 195265 | \$147.00   |
| CR621  | 620 g    | 0.1 g       | 0.1 g         | ± 0.1 g   | 5 × 5.2 in (12.7 × 13.2 cm) | 5.5 × 8.1 × 1.6 in<br>(14 × 20.6 × 4.1 cm) | 195266 | \$152.00   |
| CR2200 | 2,200 g  | 1 g         | 1 g           | ± 1 g     | 5 × 5.2 in (12.7 × 13.2 cm) | 5.5 × 8.1 × 1.6 in<br>(14 × 20.6 × 4.1 cm) | 195267 | \$147.00   |
| CR5200 | 5,200 g  | 1 g         | 1 g           | ± 1 g     | 5 × 5.2 in (12.7 × 13.2 cm) | 5.5 × 8.1 × 1.6 in<br>(14 × 20.6 × 4.1 cm) | 195268 | \$202.00   |

## Options/Accessories

| Part#  | Model#   | Description    | Price   |
|--------|----------|----------------|---------|
| 194615 | 30467987 | Power adapter  | \$51.00 |
| 195254 | 30467763 | Carrying case  | \$85.00 |
| 70434  | 80850075 | Bowl, 1,050 mL | \$71.00 |





### Standard Features

- Large, 0.4 in (10.16 mm), high-contrast backlit liquid crystal display (LCD)
- Low-battery indicator
- Overload and underload indicators
- Automatic shutoff
- Protective snap-on cover
- Rugged plastic construction

### Specifications

**Weighing Units:**  
Grams, Ounces, Pennyweight, Troy Ounces

**Operating Modes:**  
Weighing

**Stabilization Time:**  
3 seconds

**Power:**  
Battery operated

**Maximum Overload:**  
150% of capacity

**Calibration:**  
HH1200: Factory set  
HH120, HH320: Calibration with keypad

**Est. Weight:**  
0.34 lb (0.16 kg)

**Warranty:**  
One-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model  | Capacity   | Readability | Linearity     | Pan Size                   | Dimensions                              | Part # | List Price |
|--------|------------|-------------|---------------|----------------------------|---|--------|------------|
| HH120D | 60 g/120 g | 0.1 g/0.2 g | ±0.1 g/±0.2 g | 3.25 × 3.2 in (83 × 81 mm) | 5.35 × 3.25 × 0.8 in (136 × 83 × 20 mm) | 52541  | \$238.00   |
| HH120  | 120 g      | 0.1 g       | ±0.1 g        | 3.25 × 3.2 in (83 × 81 mm) | 5.35 × 3.25 × 0.8 in (136 × 83 × 20 mm) | 64055  | \$266.00   |
| HH320  | 320 g      | 0.1 g       | ±0.2 g        | 3.25 × 3.2 in (83 × 81 mm) | 5.35 × 3.25 × 0.8 in (136 × 83 × 20 mm) | 52540  | \$330.00   |



### Standard Features

- Smaller size than most pocket scales allows for a comfortable fit in your pocket
- Clamshell case designs and protects scale during transport
- Bright blue backlit LCD display
- Automatic shutoff

### Specifications

**Weighing Units:**  
Grams, Ounces, Carats, Grains

**Operating Modes:**  
Weighing

**Power:**  
Two AAA batteries

**Est. Weight:**  
0.3 lb

**Calibration:**  
External

**Warranty:**  
One-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Part # | List Price |
|-------|----------|-------------|---------------|--------|------------|
| YA102 | 100 g    | 0.01 g      | 0.01 g        | 103106 | \$142.00   |
| YA302 | 300 g    | 0.05 g      | 0.05 g        | 103107 | \$123.00   |

### Options/Accessories

| Part# | Model # | Description   | Price   |
|-------|---------|---|---------|
| 33454 | 4590-30 | Black scoop, aluminum 4 x 3.5 in (10.2 x 8.9 cm), weight 24 g | \$49.00 |



## Standard Features

- Removable stainless steel platform cover
- Mid-profile ABS plastic housing
- Front-mounted leveling device
- Compact footprint
- Fast response time
- Easy to clean

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Pound/Ounce

### Operating Modes:

Weigh, Accumulate, Checkweigh

### Power:

Universal AC adapter included (9 V DC 500 mA)  
Four D Cell alkaline batteries (not included)

### Stabilization Time:

≈1.5 seconds

### Scale Overload:

120% of capacity

### Decimal Ounce:

V12P3: 105 oz × 0.02 oz  
V12P6: 210 oz × 0.05 oz  
V12P15: 520 oz × 0.1 oz  
V12P30: 1,058 oz × 0.5 oz

### Decimal Pound:

V12P3: 6.6 lb × 0.001 lb  
V12P6: 13 lb × 0.002 lb  
V12P15: 33 lb × 0.01 lb  
V12P30: 66 lb × 0.02 lb

### Grams:

V12P3: 3,000 g × 0.5 g  
V12P6: 6,000 g × 1 g  
V12P15: 15,000 g × 2 g  
V12P30: 30,000 g × 5 g

### Operating Temperature:

32 F to 104 °F (0 °C to 40 °C) at 10% to 95% relative humidity non-condensing, up to 2.5 miles/4,000 m above sea level

### Est. Weight:

8.8 lb (4.0 kg)

### Battery life:

1,500 hours (with/without backlight on)

### Warranty:

One-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

### Approvals:

NSF



| Model  | Capacity | Readability | Pan Size                       | Dimensions                                 | Part # | List Price |
|--------|----------|-------------|--------------------------------|--|--------|------------|
| V12P3  | 3 kg     | 0.5 g       | 7.5 × 9.8 in<br>(190 × 250 mm) | 10.1 × 11 × 4.8 in<br>(256 × 280 × 121 mm) | 205019 | \$262.00   |
| V12P6  | 6 kg     | 1 g         | 7.5 × 9.8 in<br>(190 × 250 mm) | 10.1 × 11 × 4.8 in<br>(256 × 280 × 121 mm) | 205020 | \$262.00   |
| V12P15 | 15 kg    | 2 g         | 7.5 × 9.8 in<br>(190 × 250 mm) | 10.1 × 11 × 4.8 in<br>(256 × 280 × 121 mm) | 205021 | \$262.00   |
| V12P30 | 30 kg    | 5 g         | 7.5 × 9.8 in<br>(190 × 250 mm) | 10.1 × 11 × 4.8 in<br>(256 × 280 × 121 mm) | 205023 | \$262.00   |

## Options/Accessories

| Part # | Model #  | Description  | Price    |
|--------|----------|--|----------|
| 33451  | 80850359 | Polypropylene Maxi-Scoop™ 10 dia × 2.5 in deep (25.4 dia × 6.4 cm deep) with pouring spout, weight 145 g | \$44.00  |
| 97250  | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)   | \$95.00  |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)  | \$105.00 |



BALANCES  
OHAUS

# Explorer® Series

## Standard Features

- Touchless IR (infrared) sensors minimize keypad use
- Program IR sensor to control operations including print, tare and other selectable functions
- Color VGA, 5.7 in display with icons for simple menu navigation
- Multiple application modes designed for versatility
- AutoCal™ calibration
- Robust IP 54 die-cast metal bottom housing with stainless steel pan
- Integral weigh below hook
- ENERGY STAR qualified adapter

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Grain (See technical manual for complete listing)

### Operating Modes:

Weighing, counting, Animal/Dynamic Weighing, Checkweighing, Percent Weighing, Filling, Parts Counting, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, SQC

### Power:

AC adapter input: 100 to 240 VAC 0.6A 50 /60 Hz

### Stabilization Time:

1 seconds

### Calibration:

AutoCal™ at 1.5 °C temperature change, 11 hours, and external calibration

### Operating Temperature:

-10 °C to 60 °C (14 °F to 140 °F)

### Est. Weight:

25 lb (12.5 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Repeatability | Linearity | Pan Size                           | Dimensions                                      | Part # | List Price |
|---------|----------|-------------|---------------|-----------|------------------------------------|---|--------|------------|
| Ex12001 | 12,000 g | 0.1 g       | ±0.1 g        | ±0.2 g    | 14.84 × 12.24 in<br>(377 × 311 mm) | 14.84 × 4.72 × 17.44 in<br>(377 × 120 × 443 mm) | 157235 | \$4,903.00 |
| Ex24001 | 24,000 g | 0.1 g       | ±0.1 g        | ±0.2 g    | 14.84 × 12.24 in<br>(377 × 311 mm) | 14.84 × 4.72 × 17.44 in<br>(377 × 120 × 443 mm) | 157236 | \$5,972.00 |
| Ex35001 | 35,000 g | 0.1 g       | ±0.1 g        | ±0.2 g    | 14.84 × 12.24 in<br>(377 × 311 mm) | 14.84 × 4.72 × 17.44 in<br>(377 × 120 × 443 mm) | 157237 | \$7,014.00 |

## Options/Accessories

| Part#  | Model #  | Description                   | Price    |
|--------|----------|-------------------------------|----------|
| 157238 | 30078082 | Tower mount display           | \$197.00 |
| 77712  | 80500524 | RS-232 cable, PC 25-pin to EX | \$248.00 |
| 70406  | 80500525 | RS-232 cable, PC 9-pin to EX  | \$248.00 |
| 156234 | 46001724 | Multi-range AC adapter        | \$65.00  |
| 156235 | 46001780 | International plug set        | \$28.00  |



# Triple Beam

## Standard Features

- Notched and tiered beams for easy reading
- Positive poise positioning for repeatability
- Magnetically damped
- Zero adjust compensator
- Optional tare beam vernier dial

## Specifications

### Tare Range:

710-T0: 225 g  
760-00: 225 g

### Pan Design:

710-00: Stainless steel pan  
710-T0: Stainless steel pan with tare  
720-00: Polypropylene scoop  
750-S0: Stainless steel plate  
760-00: Stainless steel plate with tare  
720-S0: Stainless steel scoop

### Calibration:

Front beam: 10 × 0.1 g  
Middle beam: 500 × 100 g  
Rear beam: 100 × 10 g

### Est. Weight:

8 lb

### Warranty:

Five-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model  | Capacity | Readability | Pan Size                    | Dimensions                          | Part # | List Price |
|--------|----------|-------------|-----------------------------|-------------------------------------|--------|------------|
| 710-00 | 610 g    | 0.1 g       | Ø 6 in (152 mm)             | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33350  | \$362.00   |
| 710-T0 | 610 g    | 0.1 g       | Ø 6 in (152 mm)             | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33351  | \$441.00   |
| 720-00 | 610 g    | 0.1 g       | -                           | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33352  | \$424.00   |
| 750-S0 | 610 g    | 0.1 g       | Ø 6 in (152 mm)             | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33355  | \$200.00   |
| 760-00 | 610 g    | 0.1 g       | Ø 6 in (152 mm)             | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33357  | \$373.00   |
| 720-S0 | 610 g    | 0.1 g       | -                           | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33353  | \$492.00   |
| 730-00 | 610 g    | 0.1 g       | -                           | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33354  | \$532.00   |
| TP2611 | 2,610 g  | 0.1 g       | 5.8 × 5.8 in (147 × 147 mm) | 18 × 12 × 9 in (457 × 305 × 229 mm) | 103109 | \$286.00   |

\*Dial-O-Gram models

## Options/Accessories

| Part # | Model #  | Description   | Price    |
|--------|----------|---|----------|
| 33417  | 80780011 | Rod and clamp assembly  | \$95.00  |
| 33447  | 80780015 | Stainless steel scoop, 12 × 6 × 2.75 in (304 × 152 × 70 mm) footed and counterweighted for balance without tare | \$168.00 |
| 33463  | 80780017 | Vinyl dust cover  | \$48.00  |
| 33414  | 80780108 | Attachment weight set, metric   | \$93.00  |



TP2611



Triple Beam Pro with Attachment Weight

BALANCES  
OHAUS

# Harvard Trip Balance

## Standard Features

- Highly versatile, rugged and accurate
- Two-pan design ideal for comparative weighing
- Built-in sliding masses
- Roberval principle
- Magnetic damping
- Comparative weighing

## Specifications

**Pan Design:**  
Two pan design; stainless steel plate

**Calibration:**  
Top beam: 10 × 0.1 lb  
Bottom beam: 200 × 10 g

**Warranty:**  
Five-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Pan Size      | Dimensions                              | Part # | List Price |
|---------|----------|-------------|---------------|---|--------|------------|
| 1450-SD | 2,000 g  | 0.1 g       | 6 in (152 mm) | 25 × 18 × 22 in<br>(160 × 240 × 140 mm) | 33364  | \$484.00   |
| 1550-SD | 2,000 g  | 0.1 g       | 6 in (152 mm) | 25 × 18 × 22 in<br>(160 × 240 × 140 mm) | 33367  | \$518.00   |
| 1560-SD | 2,000 g  | 0.1 g       | 6 in (152 mm) | 25 × 18 × 22 in<br>(160 × 240 × 140 mm) | 33368  | \$541.00   |

## Options/Accessories

| Part# | Model#   | Description            | Price   |
|-------|----------|------------------------|---------|
| 33461 | 80850262 | Vinyl dust cover       | \$48.00 |
| 33417 | 80780011 | Rod and clamp assembly | \$95.00 |



# Dial-O-Gram<sup>®</sup> and Cent-O-Gram<sup>®</sup>

## Standard Features

- 0.01 g or 0.1 g sensitivity
- Equipped for specific gravity weighing
- Four-tiered notched beams
- Easy-to-read vernier dial on model 310
- See-through poise on model 311
- High precision and remarkable value
- Three-point beam eliminates need for level adjustment
- Quick zeroing with zero adjust knob

## Specifications

### Operating Mode:

310-00: Dial  
311-00: Poise

### Platform:

Stainless steel (removable)  
3.5 × 0.5 in (89 × 13 mm)

### Est. Weight:

5 lb (2.3 kg)

### Calibration:

Front beam: 225 g tare  
Middle beam: 500 × 100 g  
Rear beam: 100 × 10 g  
Dial: 10 × 0.1 g

### Warranty:

Five-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model    | Capacity | Readability | Pan Size      | Part # | List Price |
|----------|----------|-------------|---------------|--------|------------|
| 310-00   | 310 g    | 0.01 g      | 6 in (152 mm) | 33371  | \$524.00   |
| 311-00   | 311 g    | 0.01 g      | 6 in (152 mm) | 33370  | \$434.00   |
| 1650-00* | 610 g    | 0.1 g       | 6 in (152 mm) | 33361  | \$466.00   |
| 1650-WO* | 2,610 g  | 0.1 g       | 6 in (152 mm) | 33362  | \$537.00   |
| 1610-00* | 610 g    | 0.1 g       | 6 in (152 mm) | 33360  | \$537.00   |

## Options/Accessories

| Part #  | Model #  | Description   | Price   |
|---|----------|---|---------|
| 33420   | 80780018 | Test tube kit   | \$52.00 |
| 33462   | 80780005 | Vinyl dust cover  | \$48.00 |
| Additional OHAUS Mechanical Balance Accessories |          |   |         |
| 33414   | 80780108 | Metric attachment mass set  | \$93.00 |
| 33451   | 80850359 | Polypropylene Maxi-Scoop <sup>®</sup> , 10 in (254 mm) dia. × 2.5 in (63 mm) D with pouring spout | \$44.00 |
| 33454   | 80250048 | Black scoop, aluminum, 4 in × 3.5 in (102 × 89 mm)  | \$49.00 |



BALANCES  
OHAUS

# Field Test Scale

### Standard Features

- Affordable compact industrial scale
- Large, stabilized pan can hold oversized samples without tipping
- Readings up to 500 g are taken from a single sliding-weight beam, while a set of slotted weights, stored in the base, can extend the capacity up to 36 lb

### Specifications

**Operating Modes:**  
Poise

**Platform:**  
11 in (279 mm)

**Calibration:**  
Bottom beam: 500 × 5 g  
Top beam: 1 × 0.01 lb

**Est. Weight:**  
12 lb (5.4 kg)

**Warranty:**  
Five-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Pan Size       | Part # | List Price |
|---------|----------|-------------|----------------|--------|------------|
| 2400-11 | 16 kg    | 5 g         | 11 in (279 mm) | 33379  | \$1,925.00 |
| 2400-12 | 36 lb    | 0.01 lb     | 11 in (279 mm) | 33380  | \$1,993.00 |



# Heavy Duty Solution

### Standard Features

- Sets an industry standard for precision in high-capacity weighing
- Durable enough to resist corrosion
- Sensitive enough to weigh with a feather's touch
- Large stainless steel platform
- Lockable tare for containers up to 2,270 g
- Self-aligning bearings assure a long, maintenance-free life

### Specifications

**Operating Mode:**  
Poise

**Platform:**  
11 in (279 mm)

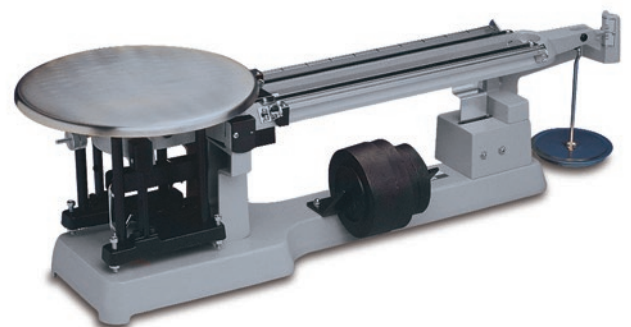
**Calibrations:**  
Front beam: 100 × 1 g  
Rear beam: 1,000 × 100 g

**Est. Weight:**  
42 lb

**Warranty:**  
Five-year limited

**Return Policy:**  
OHAUS standard policy - restock fee may apply

| Model   | Capacity | Readability | Pan Size       | Part # | List Price |
|---------|----------|-------------|----------------|--------|------------|
| 1119-DO | 20 kg    | 1 g         | 11 in (279 mm) | 33378  | \$2,912.00 |





# MB Series

## Standard Features

- Fast halogen heating element provides uniform infrared heating and durability for extended use
- Superior weighing performance with readability up to 0.001 g, 0.01% moisture
- Powerful software for simple operation
- Large, backlit liquid crystal display (LCD) for easy viewing (MB23, MB27)
- Bright, easy-to-read touchscreen display (MB90, MB120)
- GLP/GMP compliant format when printed results are required
- RS-232 interface for connecting to printer or PC
- Multi-language display text (English, Spanish, French)

## Specifications

### Moisture Range:

- 110 g: 0.1% to 100%
- 90 g: 0.05% to 100%
- 90 g: 0.01% to 100%
- 120 g: 0.01% to 100% (0.01% to 100% for regain mode)

### Power:

120 V AC Adapter

### Heater Type:

- 110 g: Infrared (no glass)
- 90 to 120 g: Halogen

### Timer:

- 110 to 90 g: 1 to 99 minutes, 30 second increments to 60 minutes
- 90 g: 1 to 120 minutes in 30 seconds to 60 minute increments, 1 minute increments from 60 to 120 minutes
- 120 g: 1 to 120 minutes in 10 second increments

### Operating Temperature:

- 110 to 90 g: 5 °C to 40 °C (41 °F to 104 °F)
- 90 to 120 g: 10 °C to 40 °C (50 °F to 104 °F)

### Temperature Settings:

- 110 to 90 g: 50 °C to 160 °C × 5 °C (increments)
- 90 g: 40 °C to 200 °C × 1 °C
- 120 g: 40 °C to 230 °C × 1 °C

### Est. Weight:

14 lb (6.3 kg)

### Warranty:

Two-year limited

### Return Policy:

OHAUS standard policy - restock fee may apply

| Model    | Capacity | Readability | Repeatability                          | Pan Size        | Dimensions                                | Part # | List Price |
|----------|----------|-------------|--|-----------------|---|--------|------------|
| 83999801 | 110 g    | 0.01 g      | 3 g sample-0.3%<br>10 g sample-0.1%    | Ø 9 cm (3.5 in) | 7.5 × 6.0 × 14 in<br>(191 × 152 × 356 mm) | 109522 | \$3,709.00 |
| 30251683 | 90 g     | 0.001 g     | 3 g sample-0.2%<br>10 g sample-0.05%   | Ø 9 cm (3.5 in) | 6.5 × 5 × 11 in<br>(165 × 127 × 279 mm)   | 178254 | \$3,709.00 |
| 30241164 | 90 g     | 0.001 g     | 3 g sample-0.18%<br>10 g sample-0.02%  | Ø 9 cm (3.5 in) | 8.3 × 7.7 × 14 in<br>(211 × 196 × 356 mm) | 178255 | \$4,971.00 |
| 30241165 | 120 g    | 0.001 g     | 3 g sample-0.05%<br>10 g sample-0.015% | Ø 9 cm (3.5 in) | 8.3 × 7.7 × 14 in<br>(211 × 196 × 356 mm) | 178256 | \$6,310.00 |

## Options/Accessories

| Part # | Model #  | Description                         | Price    |
|--------|----------|-------------------------------------|----------|
| 70401  | 11113857 | Temperature calibration kit         | \$760.00 |
| 70402  | 80850087 | Pads, glass fiber, 200/box          | \$133.00 |
| 70403  | 80850086 | Sample pans, 80/box, 90 mm diameter | \$85.00  |
| 70404  | 80850088 | Reusable sample pans, 3/box         | \$260.00 |
| 70406  | 80500525 | Cable, 9-pin serial extension       | \$248.00 |
| 191875 | 80850043 | Security device                     | \$298.00 |
| 67413  | 80850080 | WinWedge® TAL Software              | \$575.00 |



BALANCES  
OHAUS

# Cubis® II Series MCA

## Standard Features

- Large, high-end, 7 in color touchscreen TFT display in 16:9 format
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 interface for connecting to printer or PC
- M/DH: Automatic glass draft shield
- F: Manual stainless steel draft shield

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

### Power:

120 V AC adapter auto ranging

### Stabilization Time:

2.7S-2S00-M/F: 7 seconds  
 6.6S-2S00-M/F, 3.6P-2S00-M: 5 seconds  
 66S-000-DH, 66P-000-DH, 36S-000-DH, 36P-000-DH: 3.5 seconds

### Calibration Weight:

2.7S-2S00-M/F: 2 g  
 6.6S-2S00-M/F: 5 g  
 3.6P-2S00-M: 3 g  
 66S-000-DH, 66P-000-DH: 50 g (E2)  
 36S-000-DH, 36P-000-DH: 20 g (E2)

### Weighing Chamber:

(W × D × H)  
 8 × 8 × 10.2 in  
 (205 × 205 × 261 mm)

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

30 lb

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model           | Capacity                    | Readability                          | Repeatability              | Linearity | Pan Size                         | Dimensions  | Part # | List Price  |
|-----------------|-----------------------------|--------------------------------------|----------------------------|-----------|----------------------------------|---|--------|-------------|
| <b>Cubis II</b> |                             |                                      |                            |           |                                  |   |        |             |
| MCA2.7S- 2S00-M | 2.1 g                       | 0.0001 mg                            | 0.25 µg                    | 0.9 µg    | Ø 0.8 in (20 mm)                 | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195682 | \$44,040.00 |
| MCA2.7S- 2S00-F | 2.1 g                       | 0.0001 mg                            | 0.25 µg                    | 0.9 µg    | Ø 1.9 in (50 mm)                 | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 0.6 in (15 mm) H | 195685 | \$45,220.00 |
| MCA6.6S- 2S00-M | 6.1 g                       | 0.001 mg                             | 0.001 mg                   | 4 µg      | Ø 1.2 in (30 mm)                 | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195687 | \$34,630.00 |
| MCA6.6S- 2S00-F | 6.1 g                       | 0.001 mg                             | 0.001 mg                   | 4 µg      | Ø 1.9 in (50 mm)                 | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 0.6 in (15 mm)   | 195690 | \$35,810.00 |
| MCA3.6P- 2S00-M | 1.1 g /<br>2.1 g /<br>3.1 g | 0.001 mg /<br>0.002 mg /<br>0.005 mg | 0.003 /0.004 /<br>0.005 mg | 4 µg      | Ø 1.2 in (30 mm)                 | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195692 | \$26,700.00 |
| <b>Cubis I</b>  |                             |                                      |                            |           |                                  |   |        |             |
| MSA66S-000-DH   | 61 g                        | 0.001 mg                             | 0.0015 mg/<br>0.004 mg     | 0.020 mg  | 1.18 in/1.97 in<br>(30 mm/50 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 7.13 in (181 mm) | 186390 | \$43,850.00 |
| MSA66P-000-DH   | 12 g/61 g                   | 0.001 mg/<br>0.01 mg                 | 0.002 mg/<br>0.010 mg      | 0.020 mg  | 1.18 in/1.97 in<br>(30 mm/50 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 7.13 in (181 mm) | 186391 | \$40,200.00 |
| MSA36S-000-DH   | 31 g                        | 0.001 mg                             | 0.0015 mg/<br>0.002 mg     | 0.015 mg  | 1.18 in (30 mm)                  | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 7.13 in (181 mm) | 186392 | \$38,000.00 |
| MSA36P-000-DH   | 6 g/31 g                    | 0.001/0.01 mg                        | 0.0015 mg/<br>0.008 mg     | 0.015 mg  | 1.18 in (30 mm)                  | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 7.13 in (181 mm) | 186394 | \$32,850.00 |

## Options/Accessories

| Part #  | Model # | Description  | Price    |
|---------|---------|--|----------|
| Consult | IP      | Additional RS-232, 9-pin connection with PS/2 port (factory installed) | Consult  |
| 156906  | 6971987 | Power supply, 100 to 240 V   | \$239.00 |
| 156908  | 6900900 | Cord, power 220 V EU   | \$43.00  |



# Cubis® II Series MCE

## Standard Features

- State-of-the-art, TFT touchscreen operation
- Fast stabilization time
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Underweigh hook included

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

### Power:

120 V AC adapter auto ranging

### Stabilization Time:

2.7S-2S00-M/F: 7 seconds  
6.6S-2S00-M/F, 3.6P-2S00-M: 5 seconds

### Calibration Weight:

2.7S-2S00-M/F: 2 g  
6.6S-2S00-M/F: 5 g  
3.6P-2S00-M: 3 g

### Weighing Chamber

(W × D × H):  
8 × 8 × 10.2 in (205 × 205 × 261 mm)

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

30 lb

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model           | Capacity                    | Readability                          | Repeatability            | Linearity | Pan Size         | Dimensions  | Part # | List Price  |
|-----------------|-----------------------------|--------------------------------------|--------------------------|-----------|------------------|---|--------|-------------|
| MCE2.7S- 2S00-M | 2.1 g                       | 0.0001 mg                            | 0.25 µg                  | 0.9 µg    | Ø 0.8 in (20 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195680 | \$43,120.00 |
| MCE2.7S- 2S00-F | 2.1 g                       | 0.0001 mg                            | 0.25 µg                  | 0.9 µg    | Ø 1.9 in (50 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 0.6 in (15 mm) H | 195683 | \$44,300.00 |
| MCE6.6S- 2S00-M | 6.1 g                       | 0.001 mg                             | 0.001 mg                 | 4 µg      | Ø 1.2 in (30 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195686 | \$33,710.00 |
| MCE6.6S- 2S00-F | 6.1 g                       | 0.001 mg                             | 0.001 mg                 | 4 µg      | Ø 1.9 in (50 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 0.6 in (15 mm)   | 195689 | \$34,890.00 |
| MCE3.6P- 2S00-M | 1.1 g /<br>2.1 g /<br>3.1 g | 0.001 mg /<br>0.002 mg /<br>0.005 mg | 0.003/0.004/<br>0.005 mg | 4 µg      | Ø 1.2 in (30 mm) | 7.55 × 12.72 × 3.46 in<br>192 mm × 323 mm × 88 mm<br>Chamber Height: 2.75 in (70 mm)  | 195693 | \$25,780.00 |

## Options/Accessories

| Part #  | Model # | Description  | Price    |
|---------|---------|--|----------|
| Consult | IP      | Additional RS-232, 9-pin connection with PS/2 port (factory installed) | Consult  |
| 156906  | 6971987 | Power supply, 100 to 240 V   | \$239.00 |
| 156908  | 6900900 | Cord, power 220 V EU   | \$43.00  |



## Cubis® II MCA Series

## Standard Features

- Large, high-end, 7 in color touchscreen TFT display in 16:9 format
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

## Specifications

## Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

## Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

## Power:

120 V AC adapter auto ranging

## Stabilization Time:

2 seconds

## Calibration Weight:

225S, 225P: 200 g  
125P: 100 g

## Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

## Est. Weight:

30 lb

## Warranty:

Two-year limited

## Return Policy:

Sartorius standard policy - restock fee may apply

| Model   | Capacity     | Readability           | Repeatability | Linearity | Pan Size                     | Weighing Chamber                        | Dimensions                                 | Part # | List Price  |
|---------|--------------|-----------------------|---------------|-----------|------------------------------|---|--|--------|-------------|
| MCA225S | 220 g        | 0.01 mg               | 0.025 mg      | 0.1 mg    | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | 195698 | \$16,300.00 |
| MCA225P | 60/120/220 g | 0.01/0.02/<br>0.05 mg | 0.015/0.04 mg | 0.15 mg   | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | 195802 | \$14,190.00 |
| MCA125P | 60/120 g     | 0.01/0.1 mg           | 0.015/0.06 mg | 0.15 mg   | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | 195803 | \$10,240.00 |

## Options/Accessories

| Part#   | Model # | Description   | Price    |
|---------|---------|---|----------|
| Consult | DA      | Automatic motorized draft shield for analytical balances (factory installed)                          | Consult  |
| Consult | DI      | Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed) | Consult  |
| Consult | TR      | Certificate of compliance and full factory test report (factory installed)                            | Consult  |
| Consult | IR      | Additional RS-232, 25-pin connection (factory installed)  | Consult  |
| 156906  | 6971987 | Power supply, 100 to 240 V  | \$239.00 |
| 156908  | 6900900 | Cord, power 220 V EU  | \$43.00  |
| Consult | IP      | Additional RS-232, 9-pin connection with PS/2 port  | Consult  |



## Cubis® II MCE Series

## Standard Features

- State-of-the-art, TFT touchscreen operation
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

## Specifications

## Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

## Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

## Power:

120 V AC adapter auto ranging

## Calibration Weight:

225S, 225P: 200 g  
125P: 100 g

## Stabilization Time:

225S, 225P, 125P: 2 seconds

## Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

## Est. Weight:

30 lb

## Warranty:

Two-year limited

## Return Policy:

Sartorius standard policy - restock fee may apply

| Model   | Capacity     | Readability           | Repeatability | Linearity | Pan Size                     | Weighing Chamber                        | Dimensions                               | Part # | List Price  |
|---------|--------------|-----------------------|---------------|-----------|------------------------------|---|--|--------|-------------|
| MCE225S | 220 g        | 0.01 mg               | 0.025 mg      | 0.1 mg    | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>410 × 249 × 370 mm | 195694 | \$15,380.00 |
| MCE225P | 60/120/220 g | 0.01/0.02/<br>0.05 mg | 0.015/0.04 mg | 0.15 mg   | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>410 × 249 × 370 mm | 195797 | \$13,270.00 |
| MCE125P | 60/120 g     | 0.01/0.1 mg           | 0.015/0.06 mg | 0.15 mg   | 3.3 × 3.3 in<br>(85 × 85 mm) | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in<br>410 × 249 × 370 mm | 195798 | \$9,320.00  |

## Options/Accessories

| Part #  | Model # | Description   | Price    |
|---------|---------|---|----------|
| Consult | DA      | Automatic motorized draft shield for analytical balances (factory installed)                          | Consult  |
| Consult | DI      | Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed) | Consult  |
| Consult | TR      | Certificate of compliance and full factory test report (factory installed)                            | Consult  |
| Consult | IR      | Additional RS-232, 25-pin connection (factory installed)  | Consult  |
| 156906  | 6971987 | Power supply, 100-240 V   | \$239.00 |
| 156908  | 6900900 | Cord, power 220 V EU  | \$43.00  |
| Consult | IP      | Additional RS-232, 9-pin connection with PS2 port   | Consult  |



# Quintix / Secura Series

## Standard Features

- Color capacitive touch with swipe technology
- Simple touch technology
- Monolithic and strain gauge technology
- Aluminum die-cast base, ABS housing
- Integrated level-control
- Mini-USB
- Weigh below hook
- GLP conformance with built-in time and date
- Time and date

## SECURA OPTIONS

- Internal calibration
- Opto-electronic leveling system
- Sqmin safety program
- Analytical draft support ring

## Specifications

### Operating Modes:

Mass Unit Conversion, Counting,  
Percent Weighing, Averaging

### Units of Measure:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce,  
Hong Kong Tael, Singapore Tael, Taiwan Tael,  
Grain, Pennyweights, Milligram, Parts per Pound,  
China Teal, Mommies, Austrian Carat, Tola, Baht,  
Mesghal and Newton

### Display Type:

LCD

### Power:

12 to 15 V DC, 4.5 W  
AC adapter, 115 to 240 V

### Frequency:

50/60 Hz

### Minimum Weight per USP:

Secura 125-1S, Secura 225D-1: 25 mg  
Secura 324-1S: 160 mg

### External Calibration Weight:

Quintix 65-1S: 50 g  
Quintix 125D-1S: 100 g  
Secura 125-1S: 100 g  
Secura 225D-1S: 200 g

### Stabilization Time (typical):

Quintix 65-1S: 6 seconds  
Quintix 125D-1S: 6/2 seconds  
Secura 125-1S: 6 seconds  
Secura 225D-1S: 6/2 seconds  
Secura 324-1S: 2 seconds

### Operating Humidity:

Less than 95% RH

### Operating Temperature:

5 °C to 45 °C (41 °F to 113 °F)

### Est. Weight:

18 lb (7.8 kg)

### Warranty:

Two-year manufacturer

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model          | Capacity    | Readability | Repeatability | Linearity  | Weighing Chamber | Pan Size        | Dimensions                                | Part # | List Price |
|----------------|-------------|-------------|---------------|------------|------------------|-----------------|---|--------|------------|
| <b>Quintix</b> |             |             |               |            |                  |                 |   |        |            |
| QUINTIX165-1S  | 60 g        | 0.01 mg     | 0.04 mg       | 0.1 mg     | 8.5 in (218 mm)  | 3.5 in (80 mm)  | 14.8 × 8.4 × 12.4 in (376 × 214 × 316 mm) | 170634 | \$6,780.00 |
| QUINTIX125D-1S | 60 g/120 g  | 0.01/0.1 mg | 0.04/0.07 mg  | 0.1/0.2 mg | 8.5 in (218 mm)  | 3.5 in (80 mm)  | 14.8 × 8.4 × 12.4 in (376 × 214 × 316 mm) | 170635 | \$7,070.00 |
| <b>Secura</b>  |             |             |               |            |                  |                 |   |        |            |
| SECURA125-1S   | 60 g/120 g  | 0.01/0.1 mg | 0.001 g       | 0.1 mg     | 8.5 in (218 mm)  | 3.15 in (80 mm) | 14.8 × 8.4 × 12.4 in (376 × 214 × 316 mm) | 170636 | \$7,780.00 |
| SECURA225D-1S  | 120 g/220 g | 0.01/0.1 mg | 0.001 g       | 0.1/0.2 mg | 8.5 in (218 mm)  | 3.15 in (80 mm) | 14.8 × 8.4 × 12.4 in (376 × 214 × 316 mm) | 170380 | \$8,170.00 |

## Options/Accessories

| Part # | Model #   | Description                  | Price   |
|--------|-----------|------------------------------|---------|
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232 | \$70.00 |



# Practum / Quintix / Secura Series

## Standard Features

- Simple, color capacitive touch with swipe technology
- Monolithic and strain gauge technology
- Aluminum die-cast base, ABS housing
- Front level bubble
- Mini-USB
- Weigh below hook

## QUINTIX AND SECURA OPTIONS

- isoCAL/fully automatic, external calibration
- GLP conformance with built-in time and date

## SECURA OPTIONS

- Internal calibration
- Opto-electronic leveling system
- Sqmin safety program
- Analytical draft support ring
- Legal For Trade Models Available

## Specifications

### Operating Modes:

Mass unit conversion, Counting,  
Percent Weighing, Averaging

### Units:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce,  
Hong Kong Tael, Singapore Tael, Taiwan Tael,  
Grain, Pennyweights, Milligram, Parts per Pound,  
China Teal, Mommies, Austrian Carat, Tola, Baht,  
Mesghal and Newton

### Display Type:

LCD

### Power Requirements:

10 to 20 V, AC adapter, 115 V to 240 V

### Frequency:

50 to 60 Hz

### Calibration Weight:

124-1S: 100 g  
224-1S, 213-1S, 313-1S: 200 g  
513-1S: 500 g  
324-1S: 300 g

### Stabilization Time (typical):

3 seconds Operating Humidity:  
Less than 95% RH

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est. Weight:

11 lb (4.5 kg)

### Warranty:

Two-year manufacturer

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model          | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size        | Dimensions                                   | Part # | List Price |
|----------------|----------|-------------|---------------|-----------|------------------|-----------------|--|--------|------------|
| <b>Practum</b> |          |             |               |           |                  |                 |  |        |            |
| PRACTUM124-1S  | 120 g    | 0.1 mg      | ±0.1 mg       | ±0.3 mg   | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 153983 | \$3,630.00 |
| PRACTUM224-1S  | 220 g    | 0.1 mg      | ±0.1 mg       | ±0.3 mg   | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 153984 | \$3,980.00 |
| <b>Quintix</b> |          |             |               |           |                  |                 |  |        |            |
| QUINTIX124-1S  | 120 g    | 0.1 mg      | ±0.1 mg       | 0.2 mg    | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 153992 | \$4,170.00 |
| QUINTIX224-1S  | 220 g    | 0.1 mg      | ±0.1 mg       | 0.2 mg    | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 153993 | \$4,720.00 |
| <b>Secura</b>  |          |             |               |           |                  |                 |  |        |            |
| SECURA124-1S   | 120 g    | 0.1 mg      | ±0.1 mg       | 0.2 mg    | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 154005 | \$4,450.00 |
| SECURA224-1S   | 220 g    | 0.1 mg      | ±0.1 mg       | 0.2 mg    | 7.9 in (209 mm)  | 3.5 in (90 mm)  | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 154006 | \$4,930.00 |
| SECURA324-1S   | 320 g    | 0.1 mg      | 0.001 g       | 0.3 mg    | 8.5 in (218 mm)  | 3.54 in (90 mm) | 14.8 × 8.4 × 12.4 in<br>(376 × 214 × 316 mm) | 170637 | \$5,810.00 |

## Options/Accessories

| Part # | Model #   | Description                            | Price   |
|--------|-----------|--|---------|
| 191429 | 6971790   | AC adapter, 110-240 V, six power plugs | \$67.00 |
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232           | \$70.00 |



## Cubis® II MCA Series

## Standard Features

- 7 in color touchscreen TFT display in 16:9 format
- Modular design
- User-configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

## Specifications

## Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/ Ounce, Micrograms. (See technical manual for complete listing)

## Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

## Power:

120 V AC adapter auto ranging

## Stabilization Time:

1 second

## Calibration Weight:

124S: 100 g  
224S: 200 g  
324S / P: 300 g  
524S / P: 500 g

## Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

## Est. Weight:

30 lb

## Warranty:

Two-year limited

## Return Policy:

Sartorius standard policy - restock fee may apply

| Model                                 | Capacity      | Readability    | Repeatability  | Linearity | Weighing Chamber                        | Pan Size                     | Dimensions                                 | Part #        | List Price  |
|---------------------------------------|---------------|----------------|----------------|-----------|---|------------------------------|--|---------------|-------------|
| <b>MCA with TFT Color Touchscreen</b> |               |                |                |           |   |                              |  |               |             |
| <b>MCA324P</b>                        | 80/160/320 g  | 0.1/0.2/0.5 mg | 0.1/0.2/0.4 mg | 0.5 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195805</b> | \$9,640.00  |
| <b>MCA524P</b>                        | 120/240/520 g | 0.1/0.2/0.5 mg | 0.1/0.2/0.5 mg | 0.5 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195804</b> | \$9,920.00  |
| <b>MCA124S</b>                        | 120 g         | 0.1 mg         | 0.1 mg         | 0.2 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195702</b> | \$8,160.00  |
| <b>MCA224S</b>                        | 220 g         | 0.1 mg         | 0.07 mg        | 0.2 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195701</b> | \$9,410.00  |
| <b>MCA324S</b>                        | 320 g         | 0.1 mg         | 0.1 mg         | 0.3 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195700</b> | \$10,730.00 |
| <b>MCA524S</b>                        | 520 g         | 0.1 mg         | 0.1 mg         | 0.4 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195699</b> | \$12,280.00 |

## Options/Accessories

| Part #        | Model # | Description   | Price    |
|---------------|---------|---|----------|
| Consult       | DA      | Automatic motorized draft shield for analytical balances (factory installed)                          | Consult  |
| Consult       | DI      | Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed) | Consult  |
| Consult       | TR      | Certificate of compliance and full factory test report (factory installed)                            | Consult  |
| Consult       | IR      | Additional RS-232, 25-pin connection (factory installed)  | Consult  |
| <b>156906</b> | 6971987 | Power supply, 100 to 240 V  | \$239.00 |
| <b>156908</b> | 6900900 | Cord, power 220 V EU  | \$43.00  |
| Consult       | IP      | Additional RS-232, 9-pin connection with PS/2 port  | Consult  |

BALANCES  
SARTORIUS



### Standard Features

- State-of-the-art TFT touchscreen operation
- Modular design
- User-configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

### Specifications

#### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/ Ounce, Micrograms. (See technical manual for complete listing)

#### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

#### Power:

120 V AC adapter auto ranging

#### Stabilization Time:

1 second

#### Calibration Weight:

124S: 100 g  
224S: 200 g  
324S/P: 300 g  
524S/P: 500 g

#### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

#### Est. Weight:

30 lb

#### Warranty:

Two-year Limited

#### Return Policy:

Sartorius standard policy - restock fee may apply

| Model                           | Capacity      | Readability    | Repeatability  | Linearity | Weighing Chamber                        | Pan Size                     | Dimensions                                 | Part #        | List Price  |
|---------------------------------|---------------|----------------|----------------|-----------|---|------------------------------|--|---------------|-------------|
| <b>MCE with TFT Touchscreen</b> |               |                |                |           |   |                              |  |               |             |
| <b>MCE324P</b>                  | 80/160/320 g  | 0.1/0.2/0.5 mg | 0.1/0.2/0.4 mg | 0.5 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195801</b> | \$8,720.00  |
| <b>MCE524P</b>                  | 120/240/520 g | 0.1/0.2/0.5 mg | 0.1/0.2/0.5 mg | 0.5 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195800</b> | \$9,000.00  |
| <b>MCE124S</b>                  | 120 g         | 0.1 mg         | 0.1 mg         | 0.2 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195697</b> | \$7,240.00  |
| <b>MCE224S</b>                  | 220 g         | 0.1 mg         | 0.07 mg        | 0.2 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195696</b> | \$8,490.00  |
| <b>MCE324S</b>                  | 320 g         | 0.1 mg         | 0.1 mg         | 0.3 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195695</b> | \$9,810.00  |
| <b>MCE524S</b>                  | 520 g         | 0.1 mg         | 0.1 mg         | 0.4 mg    | 8 × 8 × 10.2 in<br>(205 × 205 × 261 mm) | 3.3 × 3.3 in<br>(85 × 85 mm) | 16 × 9.8 × 14.6 in<br>(410 × 249 × 370 mm) | <b>195799</b> | \$11,360.00 |

### Options/Accessories

| Part #        | Model # | Description   | Price    |
|---------------|---------|---|----------|
| Consult       | DA      | Automatic motorized draft shield for analytical balances (factory installed)                          | Consult  |
| Consult       | DI      | Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed) | Consult  |
| Consult       | TR      | Certificate of compliance and full factory test report (factory installed)                            | Consult  |
| Consult       | IR      | Additional RS-232, 25-pin connection (factory installed)  | Consult  |
| <b>156906</b> | 6971987 | Power supply, 100 to 240 V  | \$239.00 |
| <b>156908</b> | 6900900 | Cord, power 220 V EU  | \$43.00  |
| Consult       | IP      | Additional RS-232, 9-pin connection with PS/2 port  | Consult  |



# Entris® II Series Basic Essential

## Standard Features

- Backlit LED touchscreen
- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Below balance weighing

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton  
(See technical manual for complete listing)

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

2.5 seconds

### Operating Humidity:

15% to 80% for temperatures up to 31 °C

### Calibration Weight:

BCE64I-1S: 50 g  
BCE124I-1S: 100 g  
BCE224I-1S: 200 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

13.7 lb

### Warranty:

Two-year limited

| Model      | Capacity | Readability | Repeatability | Linearity | Pan Size       | Dimensions                                 | Part # | List Price |
|------------|----------|-------------|---------------|-----------|----------------|--|--------|------------|
| BCE64I-1S  | 60 g     | 0.1 mg      | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in<br>(230 × 303 × 330 mm) | 197392 | \$2,590.00 |
| BCE124I-1S | 120 g    | 0.1 mg      | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in<br>(230 × 303 × 330 mm) | 197393 | \$2,930.00 |
| BCE224I-1S | 220 g    | 0.1 mg      | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in<br>(230 × 303 × 330 mm) | 197394 | \$3,290.00 |

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



# Entris® II Series Basic Advanced

## Standard Features

- Graphic touchscreen
- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Below balance weighing

## Specifications

### Weighing Modes:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce, hong Kong Tael, Singapore Tael, Taiwan Tael, Grain, Pennyweights, Milligram, Parts Per Pound, China Teal, Mommies, Austrian Carat, Tola, Baht, Mesghal, Tons, Pounds/Ounces, Newton

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion, Mixing, Statistics, Components, Animal Weighing, Checkweighing, Peak Hold and Pipette Test

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

BCA64I-1S, BCA124I-1S: 2.5 seconds  
BCA224I-1S: 1.3 seconds  
BCA324I-1S: 1.0 seconds

### Calibration Weight:

BCA64I-1S: 50 g  
BCA124I-1S: 100 g  
BCA224I-1S, BCA324I-1S: 200 g

### Operating Temperature:

41 °F to 104 °F (5 °C to 40 °C)

### Operating Humidity:

15% to 80% for temperatures up to 31° C

### Est. Weight:

13.7 lb (6.2 kg)

### Warranty:

Two-year limited

| Model      | Capacity | Readability | Repeatability | Linearity | Pan Size        | Dimensions  | Part # | List Price |
|------------|----------|-------------|---------------|-----------|-----------------|---|--------|------------|
| BCA64I-1S  | 60 g     | 0.1 mg      | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm)  | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202468 | \$3,590.00 |
| BCA124I-1S | 120 g    | 0.1 mg      | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm)  | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202469 | \$3,920.00 |
| BCA224I-1S | 220 g    | 0.1 mg      | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202471 | \$4,350.00 |
| BCA324I-1S | 320 g    | 0.1 mg      | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202473 | \$4,780.00 |

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



BALANCES  
SARTORIUS

# Entris® II Series Basic Essential

## Standard Features

- Backlit LED touchscreen
- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 connectivity
- Weigh below hook
- NTEP Certified

## Specifications

### Weighing Units:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce, Hong Kong Tael, Singapore Tael, Taiwan Tael, Grain, Pennyweights, Milligram, Parts per Pound, China Teal, Mommies, Austrian Carat, Tola, Baht, Mesghal, Tons, Pounds, Ounces, Newton

### Applications:

Weighing, Density, Percentage, Counting, Mass Unit Conversion

### Display Type:

Backlit LCD, 15 mm digits Operating Humidity: 15% to 80% for temperatures up to 31 ° C

### Operating Temperature:

41 ° F to 104 ° F (5 ° C to 40 ° C)

### External Calibration Weight:

BCE124-1NUS: 100 g  
 BCE224-1NUS, BCE324-1NUS: 200 g  
 BCE623-1NUS, BCE653-1NUS, BCE622-1NUS, BCE1202-1NUS: 500 g  
 BCE3202-1NUS, BCE4202-1NUS, BCE5201-1NUS, BCE6202-1NUS: 5,000 g

### Stabilization Time (Typical):

2.5 seconds

### Est. Weight:

13.7 lb (6.2 kg)

### Pan Type:

Stainless steel

### AC Power Requirements:

AC adapter, 115 to 240 V, US plug

### Warranty:

Two-year limited

### Approval:

NTEP CC 22-017



BALANCES

| Model        | Capacity | Readability | NTEP Repeatability | Pan Size        | Dimensions                                     | Part # | List Price |
|--------------|----------|-------------|--------------------|-----------------|--|--------|------------|
| BCE124-1NUS  | 120 g    | 0.1 mg      | 1 mg               | 3.5 in (90 mm)  | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208212 | \$2,710.00 |
| BCE224-1NUS  | 220 g    | 0.1 mg      | 1 mg               | 3.5 in (90 mm)  | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208213 | \$3,070.00 |
| BCE323-1NUS  | 320 g    | 1 mg        | 10 mg              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208214 | \$1,600.00 |
| BCE623-1NUS  | 620 g    | 1 mg        | 10 mg              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208215 | \$2,340.00 |
| BCE653-1NUS  | 650 g    | 1 mg        | 10 mg              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208216 | \$2,590.00 |
| BCE622-1NUS  | 620 g    | 10 mg       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208217 | \$1,230.00 |
| BCE1202-1NUS | 1,200 g  | 10 mg       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208218 | \$1,480.00 |
| BCE3202-1NUS | 3,200 g  | 10 mg       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208219 | \$1,720.00 |
| BCE4202-1NUS | 4,200 g  | 10 mg       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208220 | \$1,970.00 |
| BCE5201-1NUS | 5,200 g  | 0.1 g       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208222 | \$1,480.00 |
| BCE6202-1NUS | 6,200 g  | 10 mg       | 0.1 g              | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 208221 | \$2,590.00 |
| BCE8201-1NUS | 8,200 g  | 0.1 g       | 1 g                | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (52.5 × 49.5 × 40 cm) | 213481 | \$1,720.00 |

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



# Secura Series

## Standard Features

- Simple, color capacitive touch with swipe technology
- Monolithic and strain gauge technology
- Aluminum die-cast base, ABS housing
- Front level bubble
- Mini-USB
- Weigh below hook

## OPTIONS

- isoCAL/fully automatic, external calibration
- Internal calibration
- Opto-electronic leveling system
- GLP conformance with built-in time and date
- Sqmin safety program
- Analytical draft support ring

## Specifications

### Weighing Units:

Mass Unit Conversion, Counting, Percent Weighing, Averaging

### Operating Modes:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce, Hong Kong Tael, Singapore Tael, Taiwan Tael, Grain, Pennyweights, Milligram, Parts per Pound, China Teal, Mommies, Austrian Carat, Tola, Baht, Mesghal and Newton

### Display Type:

LCD

### AC Power Requirements:

AC adapter, 115 to 240 V

### Frequency:

50 to 60 Hz

### Stabilization Time (typical):

3 seconds

### Operating Humidity:

Less than 95% RH

### External Calibration Weight:

224-1NUS, 313-1NUS: 200 g  
613-1NUS: 500 g  
1102-1NUS, 1103-1NUS: 1,000 g  
3102-1NUS: 3000g  
6101-1NUS, 6102-1NUS: 6000g

### Operating Temperature:

50 °F to 86 °F (10 °C to 30 °C)

### Est Weight:

9 lb (4.5 kg)

### Warranty:

Two-year limited

### Approvals:

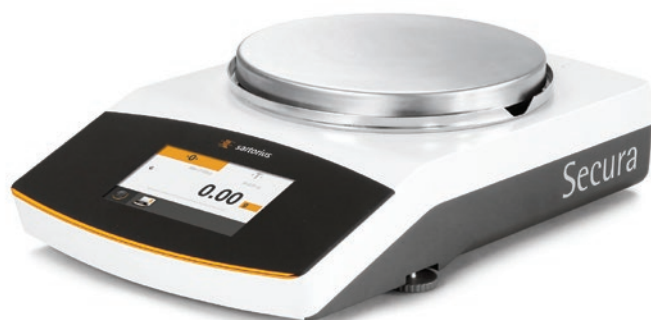
NTEP CC: 21-013



| Model           | Capacity | Readability | Repeatability | Linearity | Pan Size         | Dimensions                                   | Part # | List Price |
|-----------------|----------|-------------|---------------|-----------|------------------|--|--------|------------|
| SECURA224-1NUS  | 220 g    | 0.1 g       | 0.5 mg        | 1 mg      | 4.73 in (120 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207602 | \$4,930.00 |
| SECURA313-1NUS  | 310 g    | 0.001 g     | 0.5 mg        | 2 mg      | 4.73 in (120 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207603 | \$2,960.00 |
| SECURA613-1NUS  | 610 g    | 0.001 g     | 0.5 mg        | 2 mg      | 4.73 in (120 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207604 | \$3,950.00 |
| SECURA1102-1NUS | 1,100 g  | 0.01 g      | 5 mg          | 0.02 g    | 7.01 in (180 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207605 | \$2,590.00 |
| SECURA1103-1NUS | 1,100 g  | 0.001 g     | 0.5 mg        | 2 mg      | 4.73 in (120 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207606 | \$5,750.00 |
| SECURA3102-1NUS | 3,100 g  | 0.01 g      | 5 mg          | 0.02 g    | 7.01 in (180 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207607 | \$3,340.00 |
| SECURA6101-1NUS | 6,100 g  | 0.1 g       | 50 mg         | 0.1g      | 7.01 in (180 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207608 | \$2,850.00 |
| SECURA6102-1NUS | 6,100 g  | 0.01 g      | 5 mg          | 0.02 g    | 7.01 in (180 mm) | 14.1 × 8.5 × 12.6 in<br>(360 × 216 × 320 mm) | 207609 | \$4,070.00 |

## Options/Accessories

| Part#  | Model#    | Description                               | Price   |
|--------|-----------|---|---------|
| 191429 | 6971790   | AC adapter, 110 to 240 V, six power plugs | \$67.00 |
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232              | \$70.00 |



BALANCES

# Cubis® II Series MCA

## Standard Features

- Large, high-end, 7-inch color touchscreen TFT display in 16:9 format
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms  
(See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

### Power:

120 V AC adapter auto ranging

### Stabilization Time:

3203S, 2203S, 2203P, 1203S, 5203S, 5203P: 1 second  
623S, 623P, 323S: 0.8 seconds

### Calibration Weight:

3203S, 2203S: 2,000 g  
2203P, 1203S: 1,000 g  
5203S, 5203P: 500 g  
623S, 623P: 500 g  
323S: 200 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

17 lb

### Warranty:

Two-year limited

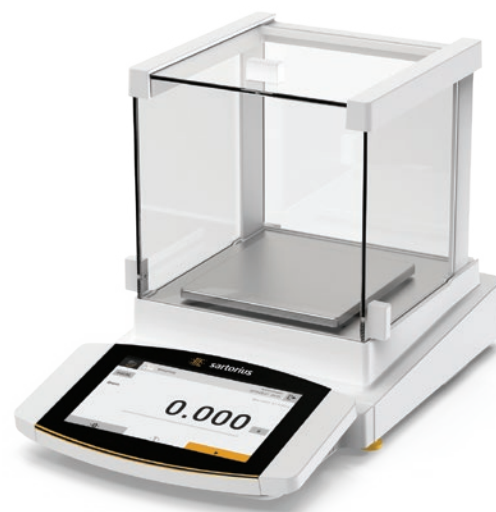
### Return Policy:

Sartorius standard policy - restock fee may apply

| Model    | Capacity                | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                               | Part # | List Price  |
|----------|-------------------------|-------------|---------------|-----------|--------------------------------|--|--------|-------------|
| MCA623P  | 150/300/620 g           | 1, 2, 5 mg  | 1/2/4 mg      | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195811 | \$7,150.00  |
| MCA323S  | 320 g                   | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195716 | \$7,010.00  |
| MCA623S  | 620 g                   | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195715 | \$7,990.00  |
| MCA1203S | 1,200 g                 | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195713 | \$9,930.00  |
| MCA2203P | 1,010/2,200 g           | 1/10 mg     | 1/6 mg        | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195809 | \$10,850.00 |
| MCA2203S | 2,200 g                 | 1 mg        | 1 mg          | 3 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195712 | \$11,180.00 |
| MCA3203S | 3,200 g                 | 1 mg        | 1/6 mg        | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195711 | \$10,360.00 |
| MCA5203S | 5,200 g                 | 1 mg        | 1 mg          | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195714 | \$13,140.00 |
| MCA5203P | 5,200/2,400/<br>1,200 g | 5/2/1 mg    | 1 mg          | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195810 | \$12,570.00 |

## Options/Accessories

| Part #  | Model #          | Description  | Price    |
|---------|------------------|--|----------|
| Consult | TR               | Certificate of compliance and full factory test report (factory installed) | Consult  |
| Consult | IR               | Additional RS-232, 25-pin connection (factory installed)                   | Consult  |
| 156906  | 6971987          | Power supply, 100 to 240 V   | \$239.00 |
| 156908  | 6900900          | Cord, power 220 V EU   | \$43.00  |
| Consult | IP               | Additional RS-232, 9-pin connection with PS/2 port (factory installed)     | Consult  |
| Consult | DA, DR, DI or DU | Other draft shields available  | Consult  |



BALANCES  
SARTORIUS

# Cubis® II Series MCE

## Standard Features

- State-of-the-art, TFT touchscreen operation
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Manual glass draft shield

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing

### Power:

120 V AC adapter (auto ranging)

### Stabilization Time:

3203S, 2203S, 2203P, 1203S, 5203S, 5203P: 1 second  
623S, 623P, 323S: 0.8 seconds

### Calibration Weight:

3203S, 2203S: 2,000 g  
2203P, 1203S: 1,000 g  
5203S, 5203P: 500 g  
623S, 623P: 500 g  
323S: 200 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

17 lb

### Warranty:

Two-year limited

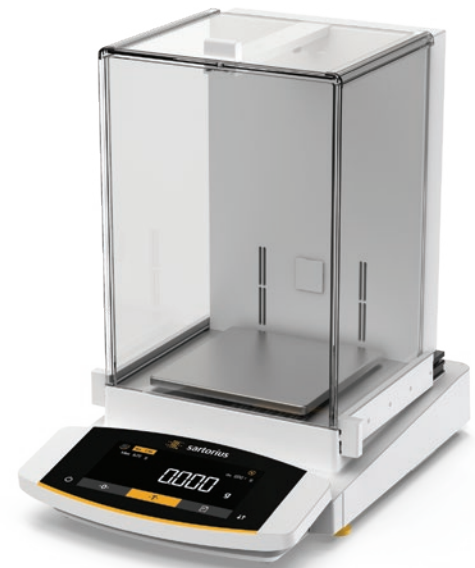
### Return Policy:

Sartorius standard policy - restock fee may apply

| Model    | Capacity                | Readability | Repeatability | Linearity | Pan Size                       | Dimensions                               | Part # | List Price  |
|----------|-------------------------|-------------|---------------|-----------|--------------------------------|--|--------|-------------|
| MCE323S  | 320 g                   | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195709 | \$6,090.00  |
| MCE623P  | 150/300/<br>620 g       | 1, 2, 5 mg  | 1/2/4 mg      | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195808 | \$6,230.00  |
| MCE623S  | 620 g                   | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195707 | \$7,070.00  |
| MCE5203P | 5,200/2,400/<br>1,200 g | 5/2/1 mg    | 1 mg          | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195807 | \$11,650.00 |
| MCE5203S | 5,200 g                 | 1 mg        | 1 mg          | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195706 | \$12,220.00 |
| MCE1203S | 1,200 g                 | 1 mg        | 0.7 mg        | 2 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195705 | \$9,010.00  |
| MCE2203P | 1,010/2,200 g           | 1/10 mg     | 1/6 mg        | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195806 | \$9,930.00  |
| MCE2203S | 2,200 g                 | 1 mg        | 1 mg          | 3 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195704 | \$10,260.00 |
| MCE3203S | 3,200 g                 | 1 mg        | 1/6 mg        | 5 mg      | 5.5 × 5.5 in<br>(140 × 140 mm) | 16 × 9.8 × 11 in<br>(410 × 249 × 281 mm) | 195703 | \$10,360.00 |

## Options/Accessories

| Part #  | Model #          | Description  | Price    |
|---------|------------------|--|----------|
| Consult | TR               | Certificate of compliance and full factory test report (factory installed) | Consult  |
| Consult | IR               | Additional RS-232, 25-pin connection (factory installed)                   | Consult  |
| 156906  | 6971987          | Power supply, 100-240 V  | \$239.00 |
| 156908  | 6900900          | Cord, power 220 V EU   | \$43.00  |
| Consult | IP               | Additional RS-232, 9-pin connection with PS/2 port (factory installed)     | Consult  |
| Consult | DA, DR, DI or DU | Other draft shields available  | Consult  |



BALANCES  
SARTORIUS

# Entris® II Series Basic Essential

## Standard Features

- Backlit LED touchscreen
- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Weigh below hook

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

BCE223I-1S: 1.3 seconds  
 BCE323I-1S: 1.1 seconds  
 BCE423I-1S, BCE623I-1S, BCE622I-1S: 1.0 seconds  
 BCE653I-1S: 1.5 seconds

### Operating Humidity:

15% to 80% for temperatures up to 31° C

### Calibration Weight:

BCE223I-1S, BCE323I-1S, BCE423I-1S: 200 g  
 BCE623I-1S, BCE653I-1S: 500 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

13.7 lb (6.2 kg)

### Warranty:

Two-year limited

| Model      | Capacity | Readability | Repeatability | Linearity | Pan Size        | Dimensions                                  | Part # | List Price |
|------------|----------|-------------|---------------|-----------|-----------------|---|--------|------------|
| BCE223I-1S | 220 g    | 0.001 g     | ±1mg          | ±2mg      | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197395 | \$1,640.00 |
| BCE323I-1S | 320 g    | 0.001 g     | ±1mg          | ±2mg      | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197396 | \$1,880.00 |
| BCE423I-1S | 420 g    | 0.001 g     | ±1mg          | ±2mg      | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197397 | \$2,350.00 |
| BCE623I-1S | 620 g    | 0.001 g     | ±1mg          | ±2mg      | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197398 | \$2,590.00 |
| BCE653I-1S | 650 g    | 0.001 g     | ±1mg          | ±2mg      | 4.7 in (120 mm) | 9.1 × 11.9 × 3.4 in<br>(230 × 303 × 87 mm)  | 197400 | \$2,820.00 |

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |





# Entris® II Series Basic Advanced

## Standard Features

- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Below balance weighing

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion, Mixing, Statistics, Components, Animal Weighing, Checkweighing, Peak Hold and Pipette Test

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

BCA223I-1S: 2.5 seconds  
 BCA323I-1S: 1.1 seconds  
 BCA423I-1S, BCA623I-1S: 1.0 seconds  
 BCA1203I-1S: 1.5 seconds

### Operating Humidity:

15% to 80% for temperatures up to 31 °C

### Calibration Weight:

BCA223I-1S, BCA323I-1S: 200 g  
 BCA423I-1S, BCA623I-1S, BCA1203I-1S: 500 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

BCA223I-1S, BCA323I-1S,  
 BCA423I-1S: 13.7 lb (6.2 kg)  
 BCA623I-1S: 13.9 lb (6.3 kg)  
 BCA1203I-1S: 12 lb (5.4 kg)

### Warranty:

Two-year limited

| Model       | Capacity | Readability | Repeatability | Linearity | Pan Size        | Dimensions  | Part # | List Price |
|-------------|----------|-------------|---------------|-----------|-----------------|---|--------|------------|
| BCA223I-1S  | 220 g    | 1 mg        | ±0.1 mg       | ±0.2 mg   | 3.5 in (90 mm)  | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202470 | \$2,290.00 |
| BCA323I-1S  | 320 g    | 1 mg        | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202472 | \$2,500.00 |
| BCA423I-1S  | 420 g    | 1 mg        | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202474 | \$2,720.00 |
| BCA623I-1S  | 620 g    | 1 mg        | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202475 | \$3,260.00 |
| BCA1203I-1S | 1,200 g  | 1 mg        | ±1 mg         | ±2 mg     | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in<br>(52.5 × 49.5 × 40 cm) | 202478 | \$4,350.00 |

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



BALANCES  
SARTORIUS

# Practum / Quintix / Secura Series

## Standard Features

- Simple, color capacitive touch with swipe technology
- Monolithic and strain gauge technology
- Aluminum die-cast base, ABS housing
- Front level bubble
- Mini-USB
- Weigh below hook

## QUINTIX AND SECURA OPTIONS

- isoCAL/fully automatic, external calibration
- GLP conformance with built-in time and date

## SECURA OPTIONS

- Internal calibration
- Opto-electronic leveling system
- Sqmin safety program
- RS-232 interface cable

## Specifications

### Operating Modes:

Mass Unit Conversion, Counting, Percent Weighing, Averaging

### Weighing Units:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce, Hong Kong Tael, Singapore Tael, Taiwan Tael, Grain, Pennyweights, Milligram, Parts per Pound, China Teal, Mommies, Austrian Carat, Tola, Baht, Mesghal and Newton

### Power Requirements:

AC adapter, 115 to 240 VAC

### Frequency:

50 to 60 Hz

### Display Type:

LCD

### External Calibration Weight:

PRACTUM/ QUINTIX/ SECURA213-1S: 200 g  
 PRACTUM/ QUINTIX/ SECURA313-1S: 200 g  
 QUINTIX/ SECURA513-1S: 500 g

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Stabilization Time (typical):

3 seconds

### Operating Humidity:

Less than 95% RH

### Est. Weight:

4.5 kg (11 lb)

| Model          | Capacity | Readability | Repeatability | Linearity | Pan Size         | Weighing Chamber | Dimensions                                | Part # | List Price |
|----------------|----------|-------------|---------------|-----------|------------------|------------------|---|--------|------------|
| <b>Practum</b> |          |             |               |           |                  |                  |   |        |            |
| PRACTUM213-1S  | 210 g    | 0.001 g     | 0.001 g       | 3 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 153985 | \$2,070.00 |
| PRACTUM313-1S  | 310 g    | 0.001 g     | 0.001 g       | 3 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 153986 | \$2,220.00 |
| <b>Quintix</b> |          |             |               |           |                  |                  |   |        |            |
| QUINTIX213-1S  | 210 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 153994 | \$2,470.00 |
| QUINTIX313-1S  | 310 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 153995 | \$2,640.00 |
| QUINTIX513-1S  | 510 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 153996 | \$3,570.00 |
| <b>Secura</b>  |          |             |               |           |                  |                  |   |        |            |
| SECURA213-1S   | 210 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 154007 | \$2,720.00 |
| SECURA313-1S   | 310 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 154008 | \$2,960.00 |
| SECURA513-1S   | 510 g    | 0.001 g     | 0.001 g       | 2 mg      | 120 mm (4.75 in) | 209 mm (7.9 in)  | 360 × 216 × 320 mm (14.1 × 8.5 × 12.6 in) | 154009 | \$3,710.00 |

## Options/Accessories

| Part # | Model #   | Description                            | Price   |
|--------|-----------|--|---------|
| 191429 | 6971790   | AC adapter, 110-240 V, six power plugs | \$67.00 |
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232           | \$70.00 |



BALANCES  
SARTORIUS

# Practum / Quintix / Secura Series

## Standard Features

- Simple, color capacitive touch with swipe technology
- Monolithic and strain gauge technology
- Aluminum die-cast base, ABS housing
- Front level bubble
- Mini-USB
- Weigh below hook

## QUINTIX AND SECURA OPTIONS

- isoCAL/fully automatic, external calibration
- GLP conformance with built-in time and date

## SECURA OPTIONS

- Internal calibration
- Opto-electronic leveling system
- Sqmin safety program
- RS-232 interface cable

## Specifications

### Operating Modes:

Mass Unit Conversion, Counting, Percent Weighing, Averaging

### Weighing Units:

Gram, Kilogram, Carat, Pound, Ounce, Troy Ounce, Hong Kong Tael, Singapore Tael, Taiwan Tael, Grain, Pennyweights, Milligram, Parts per Pound, China Teal, Mommies, Austrian Carat, Tola, Baht, Mesghal and Newton

### Display Type:

LCD

### AC Power Requirements:

AC adapter, 115 to 240 V

### Frequency:

50 to 60 Hz

### External Calibration Weight:

612-1S: 500 g  
1102-1S: 1,000 g  
2102-1S: 2,000 g  
5101-1S, 5100-1S: 5,000 g

### Stabilization Time (typical):

3 seconds

### Operating Humidity:

Less than 95% RH

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Est Weight:

9 lb (4.5 kg)

### Warranty:

Two-year limited

| Model          | Capacity | Readability | Repeatability | Linearity | Pan Size        | Dimensions                                 | Part # | List Price |
|----------------|----------|-------------|---------------|-----------|-----------------|--|--------|------------|
| <b>Practum</b> |          |             |               |           |                 |  |        |            |
| PRACTUM612-1S  | 610 g    | 0.01 g      | ±10 mg        | ±30 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153987 | \$1,630.00 |
| PRACTUM1102-1S | 1,100 g  | 0.01 g      | ±10 mg        | ±30 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153988 | \$1,790.00 |
| PRACTUM2102-1S | 2,100 g  | 0.01 g      | ±10 mg        | ±30 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153989 | \$1,870.00 |
| PRACTUM5101-1S | 5,100 g  | 0.1 g       | 0.1 g         | ±0.3 g    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153991 | \$1,910.00 |
| PRACTUM5100-1S | 5,100 g  | 1.0 g       | 1.0 g         | ±3.0 g    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153990 | \$1,480.00 |
| <b>Quintix</b> |          |             |               |           |                 |  |        |            |
| QUINTIX612-1S  | 610 g    | 0.01 g      | ±10 mg        | ±20 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153998 | \$2,080.00 |
| QUINTIX1102-1S | 1,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 153999 | \$2,360.00 |
| QUINTIX2102-1S | 2,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 154000 | \$2,640.00 |
| QUINTIX3102-1S | 3,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 154001 | \$2,920.00 |
| QUINTIX5102-1S | 5,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 154003 | \$3,620.00 |
| QUINTIX5101-1S | 5,100 g  | 0.1 g       | 0.1 g         | ±0.2 g    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 154004 | \$2,080.00 |
| QUINTIX5100-1S | 5,100 g  | 1.0 g       | 1.0 g         | ±0.2 g    | 7 in (180 mm)   | 14.1 × 8.5 × 12.6 in (360 × 216 × 320 mm)  | 154002 | \$1,670.00 |
| <b>Secura</b>  |          |             |               |           |                 |  |        |            |
| SECURA1102-1S  | 1,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 0 7 in (180 mm) | 8.58 × 14.17 × 3.70 in (218 × 360 × 94 mm) | 154010 | \$2,590.00 |
| SECURA2102-1S  | 2,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 0 7 in (180 mm) | 8.58 × 14.17 × 3.70 in (218 × 360 × 94 mm) | 154011 | \$3,080.00 |
| SECURA3102-1S  | 3,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 0 7 in (180 mm) | 8.58 × 14.17 × 3.70 in (218 × 360 × 94 mm) | 154012 | \$3,340.00 |
| SECURA5102-1S  | 5,100 g  | 0.01 g      | ±10 mg        | ±20 mg    | 0 7 in (180 mm) | 8.58 × 14.17 × 3.70 in (218 × 360 × 94 mm) | 154013 | \$3,840.00 |

## Options/Accessories

| Part # | Model #   | Description                               | Price   |
|--------|-----------|---|---------|
| 191429 | 6971790   | AC adapter, 110 to 240 V, six power plugs | \$67.00 |
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232              | \$70.00 |



BALANCES  
SARTORIUS

# Cubis® II Series MCA

## Standard Features

- Fast stabilization time
- Modular design
- User-configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Underweigh hook included
- Choice of display
- Large, high-end, 7" color touchscreen TFT display in 16:9 format

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms  
(See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory

### Power:

120 V AC adapter (auto ranging)

### Stabilization Time:

1202S, 2202S, 4202S, 5201S, 8201S, 12201S: 0.8 seconds  
6202P, 6202S, 8202S, 10202S, 5202S, 14202S, 14202P: 1 second

### Calibration Weight:

1202S: 1 kg  
2202S, 4202S: 2 kg  
6202S, 8202S, 5201S, 8201S: 5 kg  
5202S: 5,000 g  
10202S, 12201S, 14202S, 14202P: 10 kg

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

21 lb

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model     | Capacity                     | Readability              | Repeatability          | Linearity | Pan Size                       | Dimensions                               | Part # | List Price  |
|-----------|------------------------------|--------------------------|------------------------|-----------|--------------------------------|--|--------|-------------|
| MCA1202S  | 1,200 g                      | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195733 | \$5,560.00  |
| MCA2202S  | 2,200 g                      | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195732 | \$6,070.00  |
| MCA4202S  | 4,200 g                      | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195731 | \$6,570.00  |
| MCA5201S  | 5,200 g                      | 100 mg                   | 50 mg                  | 100 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195736 | \$4,770.00  |
| MCA5202s  | 5,200 g                      | 0.01 g                   | 0.006 g                | 0.01 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195820 | \$8,060.00  |
| MCA6202P  | 1,500 g/3,000 g/<br>6,200 g  | 10 mg/20 mg/<br>50 mg    | 7 mg/20 mg/<br>1940 mg | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195818 | \$6,760.00  |
| MCA6202S  | 6,200 g                      | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195730 | \$7,430.00  |
| MCA8201S  | 8,200 g                      | 100 mg                   | 50 mg                  | 100 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195735 | \$6,140.00  |
| MCA8202S  | 8,200 g                      | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195729 | \$8,280.00  |
| MCA10202S | 10,200 g                     | 10 mg                    | 7 mg                   | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195728 | \$9,440.00  |
| MCA12201S | 12,200 g                     | 100 mg                   | 50 mg                  | 200 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195734 | \$6,700.00  |
| MCA14202S | 14,200 g                     | 0.01 g                   | 0.01 g                 | 0.03 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195727 | \$11,370.00 |
| MCA14202P | 3,500 g/7,000 g/<br>14,200 g | 0.01 g/0.02 g/<br>0.05 g | 0.05 g                 | 0.05 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195817 | \$9,940.00  |

BALANCES  
SARTORIUS

## Options/Accessories

| Part #  | Model # | Description  | Price    |
|---------|---------|--|----------|
| Consult | TR      | Certificate of compliance and full factory test report (factory installed) | Consult  |
| Consult | IR      | Additional RS-232, 25-pin connection (factory installed)                   | Consult  |
| 156906  | 6971987 | Power supply, 100 to 240 V   | \$239.00 |
| 156908  | 6900900 | Cord, power 220V EU  | \$43.00  |
| Consult | IP      | Additional RS-232, 9-pin connection with PS/2 port (factory installed)     | Consult  |



# Cubis® II Series MCE

## Standard Features

- State-of-the-art, TFT touchscreen operation
- Fast stabilization time
- Modular design
- User-configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Underweigh hook included

## Specifications

### Weighing Units:

Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton Pound/Ounce, Micrograms (See technical manual for complete listing)

### Operating Modes:

Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory

### Power:

120 V AC adapter (auto ranging)

### Stabilization Time:

1202S, 2202S, 4202S, 5201S, 8201S, 12201S: 0.8 seconds  
6202P, 6202S, 8202S, 10202S, 5202S, 14202S, 14202P: 1 second

### Calibration Weight:

1202S: 1 kg  
2202S, 4202S: 2 kg  
5201S, 6202S, 8201S, 8202S: 5 kg  
5202S: 5,000 g  
10202S, 12201S, 14202S, 14202P: 10 kg

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

21 lb

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model     | Capacity                     | Readability                 | Repeatability               | Linearity | Pan Size                       | Dimensions                               | Part # | List Price  |
|-----------|------------------------------|-----------------------------|-----------------------------|-----------|--------------------------------|--|--------|-------------|
| MCE1202S  | 1,200 g                      | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195723 | \$4,640.00  |
| MCE2202S  | 2,200 g                      | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195722 | \$5,150.00  |
| MCE4202S  | 4,200 g                      | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195721 | \$5,650.00  |
| MCE5201S  | 5,200 g                      | 100 mg                      | 50 mg                       | 100 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195726 | \$3,850.00  |
| MCE5202S  | 5,200 g                      | 0.01 g                      | 0.006 g                     | 0.01 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195816 | \$7,140.00  |
| MCE6202P  | 1,500 g/3,000 g/<br>6,200 g  | 10 mg/20 mg/<br>50 mg       | 7 mg/20 mg/<br>1940 mg      | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195815 | \$5,840.00  |
| MCE6202S  | 6,200 g                      | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195720 | \$6,510.00  |
| MCE8201S  | 8,200 g                      | 100 mg                      | 50 mg                       | 100 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195725 | \$5,220.00  |
| MCE8202S  | 8,200 g                      | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195719 | \$7,360.00  |
| MCE10202S | 10,200 g                     | 10 mg                       | 7 mg                        | 20 mg     | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195718 | \$8,520.00  |
| MCE12201S | 12,200 g                     | 100 mg                      | 50 mg                       | 200 mg    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195724 | \$5,780.00  |
| MCE14202s | 14,200 g                     | 0.01 g                      | 0.01 g                      | 0.03 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195717 | \$10,450.00 |
| MCE14202P | 3,500 g/7,000 g/<br>14,200 g | 0.01 g / 0.02 g /<br>0.05 g | 0.01 g / 0.02 g<br>/ 0.01 g | 0.05 g    | 8.1 × 8.1 in<br>(206 × 206 mm) | 16 × 9.8 × 3.5 in<br>(410 × 249 × 88 mm) | 195812 | \$9,020.00  |

BALANCES  
SARTORIUS

## Options/Accessories

| Part #  | Model # | Description  | Price    |
|---------|---------|--|----------|
| Consult | TR      | Certificate of compliance and full factory test report (factory installed) | Consult  |
| Consult | IR      | Additional RS-232, 25-pin connection (factory installed)                   | Consult  |
| 156906  | 6971987 | Power supply, 100 to 240 V   | \$239.00 |
| 156908  | 6900900 | Cord, power 220V EU  | \$43.00  |
| Consult | IP      | Additional RS-232, 9-pin connection with PS/2 port (factory installed)     | Consult  |



# Entris® II Series Basic Essential

## Standard Features

- Backlit LED touchscreen
- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Weigh below hook

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

1.5 seconds

### Operating Humidity:

15% to 80% for temperatures up to 31 °C

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Calibration Weight:

BCE622I-1S, BCE822II-1S, BCE1202I-1S, BCE2202I-1S: 500 g  
 BCE2201I-1S: 2,000 g  
 BCE3202I-1S, BCE4202I-1S, BCE5201I-1S, BCE6202I-1S, BCE6200I-1S, BCE8201I-1S, BCE8200I-1S: 5,000 g

### Est Weight:

BCE822II-1: 10.6 lb (4.8 kg)  
 BCE1202I-1S: 12 lb (5.4 kg)  
 BCE622I-1S, BCE2202I-1S: 13.9 lb (6.3 kg)  
 BCE2201I-1S, BCE3202I-1S, BCE4202I-1S, BCE5201I-1S, BCE6202I-1S, BCE6200I-1S, BCE8201I-1S, BCE8200I-1S: 12 lb (5.4 kg)

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model       | Capacity | Readability | Repeatability | Linearity | Pan Size                                  | Dimensions                                  | Part # | List Price |
|-------------|----------|-------------|---------------|-----------|---|---|--------|------------|
| BCE622I-1S  | 620 g    | 0.01 g      | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                           | 9.1 × 11.9 × 13 in<br>(230 × 303 × 330 mm)  | 197399 | \$1,520.00 |
| BCE822II-1S | 820 g    | 0.01 g      | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                           | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197401 | \$1,640.00 |
| BCE1202I-1S | 1,200 g  | 0.01 g      | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                           | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197402 | \$1,760.00 |
| BCE2202I-1S | 2,200 g  | 0.01 g      | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                           | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197403 | \$1,880.00 |
| BCE2201I-1S | 2,200 g  | 0.1 g       | ±0.1 g        | ±0.3 g    | 4.7 in (120 mm)                           | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197404 | \$1,640.00 |
| BCE3202I-1S | 3,200 g  | 0.01 g      | ±0.1 g        | ±0.3 g    | 4.7 in (120 mm)                           | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197405 | \$2,000.00 |
| BCE4202I-1S | 4,200 g  | 0.01 g      | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197406 | \$2,230.00 |
| BCE5201I-1S | 5,200 g  | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197407 | \$1,760.00 |
| BCE6202I-1S | 6,200 g  | 0.01 g      | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197408 | \$2,820.00 |
| BCE6200I-1S | 6,200 g  | 1.0 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197409 | \$1,640.00 |
| BCE8201I-1S | 8,200 g  | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197410 | \$2,000.00 |
| BCE8200I-1S | 8,200 g  | 1.0 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in<br>(180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in<br>(230 × 303 × 136 mm) | 197411 | \$1,760.00 |

BALANCES  
SARTORIUS

## Options/Accessories

| Part # | Model #    | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



# Entris® II Series Basic Advanced

## Standard Features

- User-friendly operation
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 standard
- Below balance weighing

## Specifications

### Weighing Units:

Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Troy Ounce, Grain, Newton (See technical manual for complete listing)

### Operating Modes:

Weighing, Density, Percentage, Counting, Mass Unit Conversion, Mixing, Statistics, Components, Animal Weighing, Checkweighing, Peak Hold and Pipette Test

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time (typical):

1.5 seconds

### Operating Humidity:

15% to 80% for temperatures up to 31 °C

### Calibration Weight:

BCA8221-1S, BCA12021-1S, BCA22011-1S: 500 g  
 BCA22021-1S: 2,000 g  
 BCA32021-1S, BCA42021-1S, BCA52011-1S, BCA62021-1S, BCA82011-1S, BCA102011-1S, BCA122011-1S: 5,000 g

### Operating Temperature:

5 °C to 40 °C (41 °F to 104 °F)

### Est. Weight:

BCA8221-1S, BCA22011-1S, BCA22021-1S, BCA32021-1S, BCA42021-1S, BCA52011-1S, BCA62021-1S, BCA82011-1S, BCA102011-1S, BCA122011-1S: 13.9 lb (6.3 kg)  
 BCA12021-1S: 10.6 lb (4.8 kg)

### Warranty:

Two-year limited

### Return Policy:

Sartorius Standard Policy - restock fee may apply

| Model        | Capacity | Readability | Repeatability | Linearity | Pan Size                               | Dimensions                                | Part # | List Price |
|--------------|----------|-------------|---------------|-----------|--|---|--------|------------|
| BCA8221-1S   | 820 g    | 10 mg       | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                        | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202476 | \$2,070.00 |
| BCA12021-1S  | 1,200 g  | 10 mg       | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                        | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202477 | \$2,290.00 |
| BCA22011-1S  | 2,200 g  | 0.1 g       | ±1 mg         | ±2 mg     | 4.7 in (120 mm)                        | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202479 | \$1,960.00 |
| BCA22021-1S  | 2,200 g  | 10 mg       | ±0.1 g        | ±0.3 g    | 4.7 in (120 mm)                        | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202480 | \$2,500.00 |
| BCA32021-1S  | 3,200 g  | 10 mg       | ±0.1 g        | ±0.3 g    | 4.7 in (120 mm)                        | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202481 | \$2,720.00 |
| BCA42021-1S  | 4,200 g  | 10 mg       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202482 | \$2,830.00 |
| BCA52011-1S  | 5,200 g  | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202483 | \$2,180.00 |
| BCA62021-1S  | 6,200 g  | 10 mg       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202484 | \$3,920.00 |
| BCA82011-1S  | 8,200 g  | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202485 | \$2,610.00 |
| BCA102011-1S | 10,200 g | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202486 | \$3,920.00 |
| BCA122011-1S | 12,200 g | 0.1 g       | ±0.1 g        | ±0.3 g    | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202487 | \$4,130.00 |

## Options/Accessories

| Part#  | Model#     | Description   | Price      |
|--------|------------|---|------------|
| 112261 | YDP20-OCE  | Data printer (printer requires power supply part number 191429)             | \$1,460.00 |
| 31103  | 6906937    | Paper rolls, one roll   | \$40.00    |
| 31106  | 6906918    | Ink ribbon cassette   | \$46.00    |
| 201911 | YCC-D09MF  | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)                       | \$78.00    |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$61.00    |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer)      | \$67.00    |



BALANCES  
SARTORIUS

# MA35, MA37 and MA160 Series

## Standard Features

- High-speed measurements
- Effortless cleaning
- User-friendly operation
- Display of process status

## Specifications

### Heating Element:

MA35, MA37: Infrared metal heating element  
 MA160: Infrared radiation by an AURI heater, 600 W

### Heating Mode:

MA35, MA37: Standard drying  
 MA160: Standard drying, gentle drying

### Power:

120/230 VAC multi-range adapter

### Display Modes for Results:

Moisture content in % M and g; dry matter in % S and g; ATRO in % M/S

### Data Interface:

MA35: RS-232  
 MA37: Mini USB  
 MA160: M-Mini USB

### Calibration Weight:

MA35: 30 g  
 MA37: 50 g  
 MA160: 200 g

### Operating Temperature:

10 °C to 30 °C (50 °F to 86 °F)

### Temperature Range and Settings:

40 °C to 160 °C (104 °F to 320 °F)

### Est. Weight:

MA35: 12.8 lb (5.8 kg)  
 MA37, MA160: 13.7 lb (6.2 kg)

### Warranty:

Two-year limited

### Return Policy:

Sartorius standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability   | Pan Size | Dimensions                                 | Part # | List Price |
|-------|----------|-------------|---|----------|--|--------|------------|
| MA35  | 35 g     | 0.001 g     | For initial sample weight approx >1 ±0.2%;<br>for initial sample weight >5 ±0.05% | 90 mm    | 8.8 × 14.4 × 7.5in<br>(224 × 366 × 191 mm) | 191983 | \$3,060.00 |
| MA37  | 70 g     | 0.001 g     | For initial sample weight approx >1 ±0.2%;<br>for initial sample weight >5 ±0.05% | 90 mm    | 8.5 × 15.7 × 8.3in<br>(215 × 400 × 210 mm) | 165963 | \$4,290.00 |
| MA160 | 200 g    | 0.01 g      | For initial sample weight approx >1 ±0.2%;<br>for initial sample weight >5 ±0.05% | 90 mm    | 8.5 × 15.7 × 8.3in<br>(215 × 400 × 210 mm) | 165964 | \$5,410.00 |

BALANCES  
SARTORIUS





## Standard Features

- Converts serial data such as bar code reader or scale into keyboard input to software program
- Works with PC and MAC® computers
- Requires no driver installation (identifies itself as additional HID keyboard)
- Cable draws power from USB port (no external power supply needed)
- Test cable to be connected with adaptor scale cable or connector
- Bluetooth® version allows Bluetooth® connection to devices like iPad®, Android® tablets and smart cell phones

## Specifications

**Power:**  
USB power, no external power supply

**Baud Rate:**  
9600

**Color:**  
Black

**Cable Length:**  
74 in (1,880 mm)

**Bluetooth Cable Length:**  
16 in (406 mm)

**Host:**  
PC and MAC compliant

**Connection:**  
DB9 male connector, Pin 2 RX, Pin 3 TX and Pin 5 Ground USBA connector

## Part Number/Price

| Part # | Description                             | Weight | Price    |
|--------|---|--------|----------|
| 119919 | RS-232/USB serial cable                 | 1lb    | \$190.00 |
| 132452 | RS-232/USB serial cable plus Bluetooth® | 1lb    | \$275.00 |

## Options/Accessories

| Part # | Description  | Price   |
|--------|--|---------|
| 119064 | Slimline null modem, gender changer DB9 female to female | \$11.75 |
| 22436  | Blunt-end to DB9 female, straight cable                  | \$67.00 |
| 50749  | DB9 female to DB9 female                                 | \$60.00 |
| 130789 | Null model DB9 adapter female to male                    | \$13.75 |



# Go-Between™

## Standard Features

- LED onboard for testing data transmission
- Captures data and stores it on a USB flash drive (up to 8 GB not included)
- Transfer data to your PC using the USB flash drive
- Text file examples (actual text will be dependent on transmitted file)
- 02:50PM  
11/13/2012  
GROSS 58 lb
- 02:50PM  
11/13/2012  
GROSS 68 lb

## Specifications

- Power:**  
Requires 5 VDC
- Baud Rate:**  
9600
- Data Bits:**  
8
- Parity:**  
None
- Customer Supplied:**  
Power and USB flash drive

### Industrial Enclosure Option:

7.5 × 7.5 × 4.5 in  
(19 × 19 × 12 cm)  
Latch for lock

### Warranty:

One-year limited

## Part Number/Price

| Part # | Description                                       | Price    |
|--------|---|----------|
| 153265 | go-between board, requires 5 volts                | \$435.00 |
| 153266 | go-between industrial enclosure, requires 5 volts | \$630.00 |
| 153267 | go-between desk enclosure, power supply included  | \$525.00 |

## Options/Accessories

| Part # | Description  | Price     |
|--------|--|-----------|
| 154797 | Adapter, power 5VDC 2A 90 to 264 VAC, U.S. plug, cULus | \$37.00   |
| 195607 | USB flash drive, 8 GB                                  | \$9.00    |
| 130789 | Null model DB9 adapter female to male                  | \$13.75   |
| 119064 | Null modem adapter, DB9 F/F                            | \$11.75   |
| 50764  | Straight cable, DB9 F/F                                | \$69.00   |
| 66535  | Null modem DB9 F/F                                     | \$46.00   |
| 22436  | DB9 cable to blunt end                                 | \$67.00   |
| 15493  | Cable four-conductor                                   | \$1.55/ft |

BALANCES  
ACCESSORIES



# Kasota Stone Balance Slab

## Standard Features

- Balance slabs
- Balance tables
- Anti-vibration



*Reduces vibration and shock, ideal where tables will not fit.*

## Part Number/Price

| Part #                                     | Description                  | Price           |
|--|------------------------------|-----------------|
| <b>Standard Balance Slab, Kasota Stone</b> |                              |                 |
| <b>83779</b>                               | 15 in × 20 in × 3 in, 100 lb | <b>\$475.00</b> |

# Kasota Stone Balance Table

## Standard Features

- Balance slabs
- Balance tables
- Anti-vibration



*Provides the most stable surface possible for precision instruments. Legs are reinforced with support pipe.*

## Part Number/Price

| Part #                                      | Description             | Price             |
|---|-------------------------|-------------------|
| <b>Standard Balance Table, Kasota Stone</b> |                         |                   |
| <b>83778</b>                                | 24 × 35 × 32 in, 700 lb | <b>\$1,260.00</b> |

# Granite Clean Room Table

## Standard Features

- Balance slabs
- Balance tables
- Anti-vibration



*Mass, density and vibration damping properties for most applications (four damping pads included).*

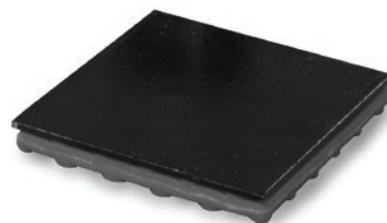
## Part Number/Price

| Part #                           | Description             | Price             |
|----------------------------------|-------------------------|-------------------|
| <b>Clean Room Table, Granite</b> |                         |                   |
| <b>83780</b>                     | 24 × 35 × 32 in, 600 lb | <b>\$2,850.00</b> |

# Anti-Vibration Pad

## Standard Features

- Balance slabs
- Balance tables
- Anti-vibration



## Part Number/Price

| Part #                    | Description                           | Price   |
|---------------------------|---------------------------------------|---------|
| <b>Anti-Vibration Pad</b> |                                       |         |
| <b>75263</b>              | Anti-vibration pad 4 × 4 1/2 in-thick | \$16.75 |

# Scoops

## Standard Features

- Aluminum
- Polypropylene
- Stainless steel



PN 33447

## Part Number/Price

| Part #        | Description  | Price    |
|---------------|--|----------|
| <b>33446</b>  | Polypropylene, 12 × 6 × 2.75 in (304 × 152 × 70 mm)  | \$89.00  |
| <b>33447</b>  | Stainless steel, 12 × 6 × 2.75 in (304 × 152 × 70 mm)                                      | \$168.00 |
| <b>33448</b>  | Polypropylene Maxi-scoop, 10 in (254 mm) diameter × 2.5 in (70 mm) deep with pouring spout | \$142.00 |
| <b>33454</b>  | Black, aluminum 4.0 × 3.5 in (10.2 × 8.9 cm)   | \$49.00  |
| <b>97250</b>  | Stainless steel scoop 11.9 × 7.4 × 1.7 in  | \$95.00  |
| <b>100292</b> | Stainless steel scoop 17.2 × 11 × 3.4 in   | \$105.00 |



PN 33454

# Static Control

NRD is the industry leader for providing advanced ionization products to eliminate electrostatic discharge and static attraction. The success of NRD devices is based on unique and extremely effective ionization sources that use alpha-energy to neutralize static electricity. Unlike electrical ionization systems, NRD ion sources don't just control static, they eliminate it by providing a constant balance of  $\pm$ zero volts.

The ion sources are entirely self-powered and never require any calibration or adjustment; therefore, there are no operating costs associated with them throughout their lifetime. Because NRD ion sources do not require electricity and are completely safe, they are ideal for

use in any application, including highly-volatile environments.

Static charge buildup is the cause of many production problems including downtime, reduced product quality, and ultimately increased costs and reduced profits. Although the static charges cannot be seen, they are quite noticeable.

Thousands of volts of electricity can easily accumulate on the surfaces of in-process materials. This buildup can ignite combustibles, shock personnel, destroy sensitive electronic components and cause many types of production problems. In addition, static attraction of dirt, dust, and other foreign matter contaminates products

and process equipment, which intensifies processing problems.

NRD alpha-energy devices rapidly neutralize charged materials. This is accomplished by emitting a flood of both positively and negatively charged ions in the vicinity of the affected material. The charged material then attracts a sufficient quantity of oppositely charged ions to completely eliminate its static charge.

NRD alpha-energy ion sources totally eliminate static buildup, not just reduce it, as with other methods of static control. As with all types of ion sources, ionized air has absolutely no adverse effects on personnel.

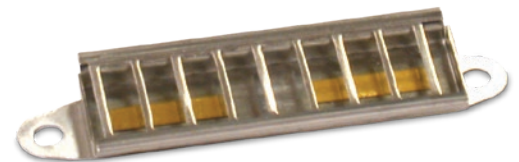


## Return For Disposal

The ionizers can be sent to:

NRD Static Control  
2937 Alt Boulevard  
Grand Island, NY 14072

The box must be clearly marked with "UN2911" on the outside, so NRD knows what to do with them. An RMA is not required, and there is no charge for a recycling fee.



1in x 3in Ionizing Strip



1in x 1in Ionizing Strip



1in Static Brush

3in Static Brush



Stand Ionizer

BALANCES  
ACCESSORIES

# Static Control

## Ionizers

| Part # | Staticmaster Part # | Description          | Price      |
|--------|---------------------|----------------------|------------|
| 164648 | 4068                | Mini-fan ionizer     | \$140.00   |
| 164649 | 6105                | I-beam stand ionizer | \$1,070.00 |

## Ionizing Strips - 1 inch

| Part # | Staticmaster Part # | Description       | Price    |
|--------|---------------------|-------------------|----------|
| 76677  | 1U400               | ionizing unit 1in | \$145.00 |
| 76678  | 1U200               | ionizing unit 1in | \$90.00  |

## Static Brushes - 1 inch

| Part # | Staticmaster Part # | Description           | Price    |
|--------|---------------------|-----------------------|----------|
| 76669  | 1C200               | Static brush, 1in     | \$140.00 |
| 76670  | 1C200R              | Replacement cartridge | \$90.00  |

## Ionizing Strips - 3 inch

| Part # | Staticmaster Part # | Description             | Price    |
|--------|---------------------|-------------------------|----------|
| 76676  | 2U500               | ionizing unit 1in x 3in | \$145.00 |

## Static Brushes - 3 inch

| Part # | Staticmaster Part # | Description           | Price    |
|--------|---------------------|-----------------------|----------|
| 76671  | 3C500               | Static brush, 3 in    | \$210.00 |
| 76672  | 3C500R              | Replacement cartridge | \$145.00 |

## Ionizing Strip Accessories

| Part # | Staticmaster Part # | Description  | Price    |
|--------|---------------------|--|----------|
| 76679  | BF1                 | Ionizer positioner   | \$73.00  |
| 76680  | BF2                 | ionizer positioner only - C bracket  | \$105.00 |
| 163601 | BF3                 | EZ-Mount, 2U500 BF3 option mounts 2U500 to balance chamber                     | \$15.75  |
| 163602 | 5060                | Grounding kit, 2U500 5060 enhances static eliminating power Staticmaster 2U500 | \$31.50  |



Mini-fan Ionizer