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ANALYTICAL

TA Plus Series

Standard Features

- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Internal adjustment weight
- 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
- Plastic housing
- Underweigh hook

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 VAC 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

Temperature:

Operating:
50 °F to 86 °F (10 °C to 30 °C)

Humidity:

80% RH or lower

Est. Weight:

6.4 lb (2.9 kg)

Warranty:

Five-year limited

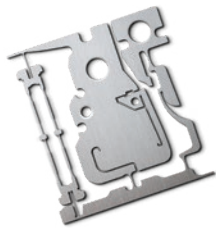
Return Policy:

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) | 8.9 × 8.4 × 8.4 in (225 × 213 × 213 mm) | 11 × 7.9 × 12 in (290 × 200 × 306 mm) | 196569 | \$2,225.00 |
| TA Plus-224 | 220 g | 0.0001 g | 1 division | 1 division | Ø 3.15 in (80 mm) | 8.9 × 8.4 × 8.4 in (225 × 213 × 213 mm) | 11 × 7.9 × 12 in (290 × 200 × 306 mm) | 196570 | \$2,272.00 |

Options/Accessories

| Part # | Description | Price |
|--------|---|----------|
| 108255 | 115 VAC adapter | \$58.00 |
| 108256 | 230 VAC adapter | \$88.00 |
| 108257 | In-use cover | \$58.00 |
| 107398 | Additional operating manual | \$18.00 |
| 75351 | WinWedge® Tal software | \$345.00 |
| 66535 | Null modem cable | \$48.00 |
| 119919 | AbleCable, requires null modem cable PN 66535 | \$190.00 |



MMTS technology 50 times more sensitive than a load cell.



TE Enhanced Series

Standard Features

- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Seven-segment (main)/16-segment (sub) display
- 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 (available on 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 VAC adapter, AA dry cell (batteries not included)

Temperature:

Operating:
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 17-104A2
Measurement Canada AM-6169



Measurement
Canada
Approved

| Model | Capacity | Resolution | NTEP Resolution | Pan Size | Weighing Chamber | Dimensions | Part # | List Price |
|---|----------|------------|-----------------|-----------------------------|---|---|--------|------------|
| NTEP Certified Only | | | | | | | | |
| TE-223 | 220 g | 0.001 g | 0.01 g | 4.6 in (118 mm) | 8.9 × 5.9 × 5.9 in (226 × 150 × 150 mm) | 10.6 × 8.1 × 11.8 in (270 × 208 × 301 mm) | 187600 | \$1,135.00 |
| TE-623 | 620 g | 0.001 g | 0.01 g | 4.6 in (118 mm) | 8.9 × 5.9 × 5.9 in (226 × 150 × 150 mm) | 10.6 × 8.1 × 11.8 in (270 × 208 × 301 mm) | 186030 | \$1,445.00 |
| TE-3202 | 3,200 g | 0.01 g | 0.1 g | 6.3 × 7.1 in (160 × 180 mm) | N/A | 10.4 × 7.5 × 3.4 in (265 × 192 × 86 mm) | 186035 | \$1,240.00 |
| TE-6202 | 6,200 g | 0.01 g | 0.1 g | 6.3 × 7.1 in (160 × 180 mm) | N/A | 10.4 × 7.5 × 3.4 in (265 × 192 × 86 mm) | 186036 | \$1,342.00 |
| TE-15001 | 15,000 g | 0.1 g | 1.0 g | 6.3 × 7.1 in (160 × 180 mm) | N/A | 10.4 × 7.5 × 3.4 in (265 × 192 × 86 mm) | 186037 | \$1,230.00 |
| NTEP Certified and Measurement Canada Approved | | | | | | | | |
| TE-322NC | 320 g | 0.01 g | 0.01 g | 4.6 in (118 mm) | 8.9 × 5.9 × 5.9 in (226 × 150 × 150 mm) | 10.6 × 8.1 × 11.8 in (270 × 208 × 301 mm) | 204688 | \$1,200.00 |
| TE-1501NC | 1,500 g | 0.1 g | 0.1 g | 6.3 × 7.1 in (160 × 180 mm) | N/A | 10.4 × 7.5 × 3.4 in (265 × 192 × 86 mm) | 204689 | \$1,310.00 |
| TE-8200NC | 8,200 g | 1 g | 1 g | 6.3 × 7.1 in (160 × 180 mm) | N/A | 10.4 × 7.5 × 3.4 in (265 × 192 × 86 mm) | 204690 | \$1,310.00 |

Options/Accessories

| Part# | Description | Price |
|--------|--|----------|
| 186074 | Power supply 100-240 VAC, 50-60 Hz | \$75.00 |
| 186075 | In-use dust cover 620 g models and lower | \$30.00 |
| 186076 | In-use dust cover 3,200 g models and higher | \$30.00 |
| 186077 | Specific Density Measurement Kit | \$690.00 |
| 186079 | Ethernet TCP/IP option card | \$690.00 |
| 229185 | Replacement Breeze break for TE-223, TE-623 and TE-322NC | \$190.00 |



MMTS technology 50 times more sensitive than a load cell.



TOPLOADER

TS Series Washdown

Standard Features

- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Stainless steel, IP65 top housing
- Large, 18 mm LCD with backlight
- Selectable modes
- 13 units of measurement
- Washdown with IP65 rating
- 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 VAC adapter included (230 VAC optional)

Battery Option:

Four AA batteries (not included)

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

Temperature:

Operating:
41 °F to 95 °F (5 °C to 35 °C)

Est. Weight:

6.2 lb (2.8 kg)

Warranty:

Five-year limited

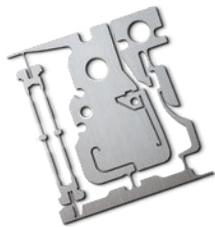
Return Policy:

Rice Lake standard policy

| Model | Capacity | Resolution | Calibration | Part # | List Price |
|---------|----------|------------|-------------|--------|------------|
| TS-620 | 620 g | 0.01 g | 600 g | 108156 | \$1,445.00 |
| TS-6200 | 6,200 g | 0.1 g | 6,000 g | 108157 | \$1,545.00 |
| TS-8200 | 8,200 g | 0.1 g | 8,000 g | 112182 | \$1,650.00 |

Options/Accessories

| Part# | Description | Price |
|--------|--|----------|
| 108499 | AC adapter, multi-range 110:230 VAC, 6 VDC | \$58.00 |
| 72440 | 9-pin D-sub F-25-Pin D-sub connector | \$67.00 |
| 22436 | 9-pin D-sub F to blunt end | \$70.00 |
| 66535 | Null modem cable | \$48.00 |
| 119064 | Slimline adapter, null modem gender changer | \$12.50 |
| 109236 | Underweigh hook | \$30.00 |
| 109238 | Waterproof RS-232 cable | \$400.00 |
| 109050 | Additional operating manual | \$18.00 |
| 112611 | Battery operator manual | \$7.00 |
| 112516 | Battery holder option, requires Four AA batteries (not included) | \$121.00 |
| 119919 | AbleCable, requires null modem cable PN 66535 | \$190.00 |



MMTS technology 50 times more sensitive than a load cell.



TP Series

Standard Features

- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Large, 16.5 mm-high backlit liquid crystal display (LCD)
- 20-step bar graph display
- 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
- Underweigh hook

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 VAC (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

Temperature:

Operating:
41 °F to 95 °F (5 °C to 35 °C)

Est. Weight:

6.2 lb (2.8 kg)

Warranty:

Five-year limited

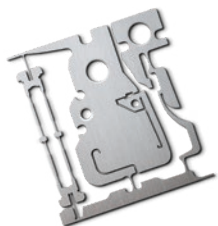
Return Policy:

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) | 3.7 × 5.5 × 3.7 in (95 × 140 × 95 mm) | 9.2 × 7.1 × 6.6 in (including draft shield) (235 × 182 × 170 mm) | 107244 | \$1,201.00 |
| 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 | \$1,201.00 |
| 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 | \$1,355.00 |
| 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 | \$1,201.00 |
| 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 | \$1,385.00 |

Options/Accessories

| Part # | Description | Price |
|--------|---------------------------------------|----------|
| 107249 | Rechargeable battery ≤TP-820 | \$121.00 |
| 107237 | Rechargeable battery ≥TP-3200 | \$121.00 |
| 107250 | In-use dust cover ≥TP-3200 | \$30.00 |
| 107240 | In-use dust cover ≤TP-820 | \$30.00 |
| 109236 | Underweigh hook ≤TP-820 | \$30.00 |
| 109292 | Underweigh hook ≥TP-3200 | \$30.00 |
| 42566 | 115 VAC adapter/12 VDC | \$76.00 |
| 42168 | 230 VAC adapter | \$82.00 |
| 107251 | Additional operating manual | \$18.00 |
| 75351 | WinWedge® Tal software | \$345.00 |
| 115303 | 5-pin to 9-pin DB female RS-232 cable | \$111.00 |



MMTS technology 50 times more sensitive than a load cell.



TOPLOADER

TC Series

Standard Features

- Mono-metal tuning fork sensor (MMTS) provides quick response and stability
- Large, 16.5 mm-high, backlit liquid crystal display (LCD)
- 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 VAC adapter included (230 VAC optional)

Calibration Weight:

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

Temperature:

Operating:
41 °F to 95 °F (5 °C to 35 °C)

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

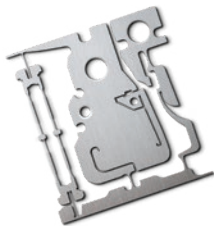
Return Policy:

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 | \$840.00 |
| 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 | \$775.00 |
| 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 | \$840.00 |
| 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 | \$905.00 |

Options/Accessories

| Part# | Description | Price |
|--------|---|----------|
| 107236 | Rechargeable battery TC-620, TC-1200, 32 hr | \$121.00 |
| 107237 | Rechargeable battery TC-4200, TC-6200, 32 hr | \$121.00 |
| 107238 | RS-232 option with DIN-5-pin connector (not compatible with battery option) (TC-620, TC-1200) | \$150.00 |
| 107239 | RS-232 option with DIN-5-pin connection (not compatible with battery option) (TC-4200, TC-6200) | \$150.00 |
| 107240 | In-use dust cover, 620 g to 1,200 g | \$30.00 |
| 107250 | In-use dust cover, 4,200 g to 6,200 g | \$30.00 |
| 109236 | Underweigh hook TC-620, TC-1200 | \$30.00 |
| 109292 | Underweigh hook TC-4200, TC-6200 | \$30.00 |
| 42566 | 120 VAC adapter/12 VDC | \$76.00 |
| 42168 | 230 VAC adapter | \$82.00 |
| 107243 | Additional operating manual | \$18.00 |
| 75351 | WinWedge® software | \$345.00 |
| 115303 | 5-pin DIN to DB9F RS-232 cable | \$111.00 |
| 115148 | RS-232 manual | \$7.00 |



MMTS technology 50 times more sensitive than a load cell.



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

Battery Life:

Up to 40 hours of continuous use (without backlight)

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

Temperature:

Operating:
32 °F to 104 °F (0 °C to 40 °C)

Est. Weight:

6.6 lb (3 kg)

Return Policy:

Rice Lake standard policy

Warranty:

One-year limited

Approval:

CE Approved



| 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 (170 × 145 × 80 mm) | Ø 4.7 in (Ø 120 mm) | 165338 | \$310.00 |
| EQ-600 | 600 g | 0.02 g | 0.02 g | 0.04 g | 6.7 × 5.7 × 3.1 in (170 × 145 × 80 mm) | Ø 4.7 in (Ø 120 mm) | 165339 | \$310.00 |
| EQ-1500 | 1,500 g | 0.05 g | 0.05 g | 0.1 g | N/A | 4.8 × 5.6 in (122 × 142 mm) | 165340 | \$310.00 |
| EQ-3000 | 3,000 g | 0.1 g | 0.1 g | 0.2 g | N/A | 4.8 × 5.6 in (122 × 142 mm) | 165341 | \$310.00 |
| EQ-6000 | 6,000 g | 0.2 g | 0.2 g | 0.4 g | N/A | 4.8 × 5.6 in (122 × 142 mm) | 165342 | \$310.00 |

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 | \$14.50 |
| 131135 | Aluminum case | \$103.00 |
| 165183 | AC adapter, 110-240 V AC, interchangeable plugs | \$46.00 |



PN 165183 Multi-range AC adapter and multi-plug



MASS COMPARATOR

MC Series

Standard Features

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

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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

85% RH or less
(no condensation)

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:

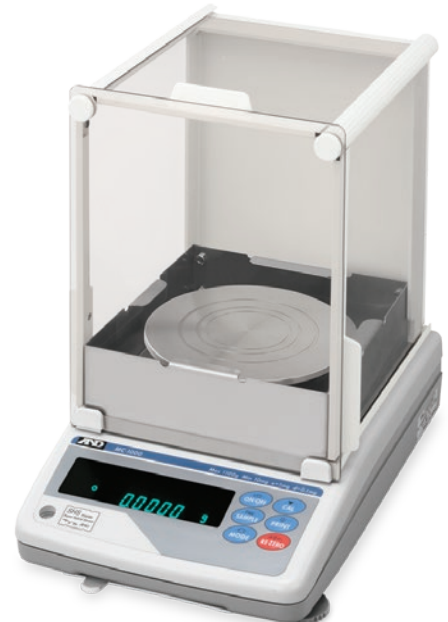
A&D Weighing standard policy - restock fee may apply

| 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 (128 × 128 mm) | 8.27 × 12.48 × 3.39 in (210 × 317 × 86 mm) | 151262 | \$8,167.50 |
| 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 (147 × 147 mm) | 10.63 × 8.27 in (270 × 210 mm) | 151263 | \$8,167.50 |
| 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 (270 × 210 mm) | 11.81 × 13.80 × 4.37 in (300 × 355 × 111 mm) | 151264 | \$9,790.00 |
| MC-30K | 31 kg | 0.01 g | 0.015 g / 20 kg | ±0.2 g | 10.63 × 8.27 in (270 × 210 mm) | 10.63 × 10.63 in (270 × 210 mm) | 151265 | \$9,790.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|-----------------|--|------------|
| 151266 | AX-MC1000PAN | Auto center pan, MC-1000S | \$1,529.00 |
| 151267 | AX-MC6100PAN | Auto center pan, MC-6100 | \$1,529.00 |
| 151268 | AX-MC10K-30KPAN | Auto center pan, MC-10/30K | \$1,947.00 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 97649 | TB-648 | AC adapter (120 V/220 V) | \$58.30 |
| 97695* | GX-04 | Comparator output, factory installed | \$1,056.00 |
| 97696* | GX-06 | Analog output, factory installed | \$1,111.00 |
| 97699 | GX-12 | Animal weigh pan | \$225.50 |
| 97700 | GX-13 | Density determination for MC-1000S | \$764.50 |
| 97607 | AD-1682 | External rechargeable battery pack | \$896.50 |
| 97612 | SW-128 | Foot switch | \$110.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

* Only one option may be installed and requires factory installation



MICRO / SEMI-MICRO
Ion BM Series

Standard Features

- Built-in fanless static eliminator
- 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
- Underweigh hook

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

Calibration Weight:

BM-20 and BM-22: 20 g
 BM-252: 200 g

Temperature:

Operating:
 41 °F to 104 °F (5 °C to 40 °C)

Humidity:

85% RH or less
 (no condensation)

Est. Weight:

22 lb (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 | Ø 0.98 in (25 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150762 | \$21,477.50 |
| BM-22 | 22 g / 5.1 g | 0.00001 g / 0.000001 g | 0.004 mg / 0.01 mg | ±0.010 mg / 0.02 mg | Ø 0.98 in (25 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150763 | \$20,405.00 |
| BM-252 | 250 g | 0.00001 g | 0.03 mg | ±0.010 mg | Ø 3.6 in (90 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150765 | \$10,862.50 |

Options/Accessories

| Part # | Model # | Description | Price |
|---------------|----------|--|------------|
| 150769 | BM-08 | Balance OPT, Ethernet BM | \$385.00 |
| 97606 | AD-1653 | Density determination kit (BM-252/200/300/500 only) | \$742.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



MICRO / SEMI-MICRO

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 adjustment weight
- System diagnostic to alert operator of abnormal weighing conditions
- Weighing chamber
- RS-232 interface for connecting to printer or PC
- Data memory function
- Time and date function
- WinCT communication tools software
- Liquid crystal display (LCD)
- Underweigh hook

Specifications

Weighing Units:

Carat, pennyweight, troy ounce, decimal ounce (see technical manual for complete listing)

Operating Modes:

Percentage, counting

Power:

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

Stabilization Time:

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

Calibration Weight:

20 g/50 g/100 g/200 g

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 / 0.00001 g | ±0.2 mg / ±0.03 mg | 0.1 mg / 0.02 mg | 6.45 × 4.87 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97601 | \$6,710.00 |
| GH-252 | 250 g / 101 g | 0.0001 / 0.00001 g | ±0.2 mg / ±0.10 mg | 0.1 mg / 0.03 mg | 6.45 × 4.87 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97602 | \$7,370.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|---------------|----------|-------------------------------------|------------|
| 97604 | GH-08 | Ethernet option for GH | \$385.00 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97607 | AD-1682 | Rechargeable battery pack, external | \$896.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97610 | AD-1683 | Static eliminator | \$1,584.00 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |



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
- Internal adjustment weight
- Liquid crystal display (LCD)
- RS-232 interface for connecting to printer or PC
- WinCT communication tools software
- Underweigh hook

Specifications

Weighing Units:

Carat, pennyweight, troy ounce, decimal ounce (see technical manual for complete listing)

Operating Modes:

Percentage, counting

Power:

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

Stabilization Time:

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

Calibration Weight:

100 g/200 g

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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) | Ø 3.3 in (85 mm) | 9.8 × 12.99 × 12.87 in (249 × 330 × 327 mm) | 97628 | \$6,187.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97607 | AD-1682 | Rechargeable battery pack | \$896.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97610 | AD-1683 | Static eliminator | \$1,584.00 |
| 97612 | SW-128 | Foot switch | \$110.00 |
| 97649 | TB-648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



ANALYTICAL

Ion BM Series

Standard Features

- Built-in fanless static eliminator
- 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
- Underweigh hook

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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

85% RH or less
(no condensation)

Est. Weight:

22 lb (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 | Ø 3.6 in (90 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150766 | \$5,775.00 |
| BM-300 | 320 g | 0.0001 g | 0.2 mg | ±0.3 mg | Ø 3.6 in (90 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150767 | \$6,022.50 |
| BM-500 | 520 g | 0.0001 g | 0.2 mg | ±0.5 mg | Ø 3.6 in (90 mm) | 10.2 × 18.3 × 12.8 in (259 × 466 × 326 mm) | 150768 | \$8,387.50 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|--|------------|
| 150769 | BM-08 | Balance OPT, Ethernet BM | \$385.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



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 adjustment weight
- System diagnostic to alert operator of abnormal weighing conditions
- Weighing chamber
- RS-232 interface for connecting to printer or PC
- Data memory function
- Time and date function
- WinCT communication tools software
- Liquid crystal display (LCD)
- Underweigh hook

Specifications

Weighing Units:

Carat, pennyweight, troy ounce, decimal ounce (see technical manual for complete listing)

Operating Modes:

Percentage, counting

Power:

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

Stabilization Time:

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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | 6.45 × 4.87 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97597 | \$4,455.00 |
| GH-200 | 220 g | 0.0001 g | ±0.2 mg | 0.1 mg | 6.45 × 4.87 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97599 | \$5,032.50 |
| GH-300 | 320 g | 0.0001 g | ±0.3 mg | 0.2 mg | 6.45 × 4.87 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97600 | \$5,967.50 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|-------------------------------------|------------|
| 97604 | GH-08 | Ethernet option | \$385.00 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97607 | AD-1682 | Rechargeable battery pack, external | \$896.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97610 | AD-1683 | Static eliminator | \$1,584.00 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |



ANALYTICAL

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
- Internal adjustment weight
- Liquid crystal display (LCD)
- RS-232 interface for connecting to printer or PC
- WinCT communication tools software
- Underweigh hook

Specifications

Weighing Units:

Carat, pennyweight, troy ounce, decimal ounce
(see technical manual for complete listing)

Operating Modes:

Percentage, counting

Power:

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

Stabilization Time:

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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 (178 × 160 × 233 mm) | Ø 3.3 in (85 mm) | 9.8 × 12.99 × 12.87 in (249 × 330 × 327 mm) | 97625 | \$3,850.00 |
| GR-200 | 210 g | 0.0001 g | 0.0001 g | ±0.0002 g | 7.01 × 6.5 × 9.17 in (178 × 160 × 233 mm) | Ø 3.3 in (85 mm) | 9.8 × 12.99 × 12.87 in (249 × 330 × 327 mm) | 97626 | \$4,372.50 |
| GR-300 | 310 g | 0.0001 g | 0.0001 g | ±0.0002 g | 7.01 × 6.5 × 9.17 in (178 × 160 × 233 mm) | Ø 3.3 in (85 mm) | 9.8 × 12.99 × 12.87 in (249 × 330 × 327 mm) | 97627 | \$5,445.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97607 | AD-1682 | Rechargeable battery pack | \$896.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97610 | AD-1683 | Static eliminator | \$1,584.00 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

85% RH or less (no condensation)

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 | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150777 | \$2,299.00 |
| HR-100AZ | 102 g | 0.0001 g | 0.1 mg | ± 0.2 mg | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150779 | \$2,832.50 |
| HR-150A | 152 g | 0.0001 g | 0.1 mg | ± 0.2 mg | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150780 | \$2,420.00 |
| HR-150AZ | 152 g | 0.0001 g | 0.1 mg | ± 0.2 mg | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150781 | \$2,970.00 |
| HR-250A | 252 g | 0.0001 g | <200 mg 0.1 mg / >200 mg 0.2 mg | ± 0.3 mg | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150782 | \$2,640.00 |
| HR-250AZ | 252 g | 0.0001 g | <200 mg 0.1 mg / >200 mg 0.2 mg | ± 0.3 mg | Ø 3.6 in (90 mm) | 7.8 × 11.6 × 12.3 in (198 × 294 × 313 mm) | 150783 | \$3,162.50 |

Options/Accessories

| Part# | A&D Model # | Description | Price |
|--------|-------------|------------------------------------|----------|
| 151247 | AD-1688 | Data logger | \$407.00 |
| 98027* | FXi-02 | Quick USB interface with cable | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus | \$385.00 |
| 98029* | FXi-09 | Rechargeable battery | \$429.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |

*Only one option may be installed and factory installation required



ANALYTICAL

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
- Liquid crystal display (LCD)
- WinCT communication tools software
- Underweigh hook

Note: Orion HR series does have internal adjustment weight

Specifications

Weighing Units:

Carat, pennyweight, troy ounce, decimal ounce (see technical manual for complete listing)

Operating Modes:

Percentage, counting

Power:

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

Stabilization Time:

Approx. 3.5 seconds

Calibration Weight:

300 g/200 g/100 g

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | 6.45 × 5.84 × 9.88 in (164 × 149 × 251 mm) | Ø 3.6 in (90 mm) | 8.54 × 17.4 × 12.24 in (217 × 442 × 316 mm) | 97642 | \$4,185.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97606 | AD-1653 | Density determination kit | \$742.50 |
| 97607 | AD-1682 | Rechargeable battery pack | \$896.50 |
| 97608 | AD-8920A | Universal remote display | \$357.50 |
| 97610 | AD-1683 | Static eliminator | \$1,584.00 |
| 97609 | AD-8922A | Remote controller | \$841.50 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



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 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:

120 VAC adapter, 11 VA

Stabilization Time:

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)

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 (50 × 50 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 97654 | \$7,150.00 |
| AD-4212B-102 | 110 g | 0.01 mg | 0.15 g | ±0.3 mg | 2 × 2 in (50 × 50 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 102925 | \$11,055.00 |
| AD-4212B-201 | 210 g | 0.1 mg | 1 mg | ±2 mg | 2 × 2 in (50 × 50 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 102926 | \$8,470.00 |
| AD-4212B-301 | 310 g | 0.1 mg | 1 mg | ±2 mg | 2 × 2 in (50 × 50 mm) | 3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm) | 102927 | \$9,405.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|----------|
| 97672 | AD-4212A-01 | BCD output (factory installed, four month lead time) | \$676.50 |
| 97674 | AD-4212A-07 | Extension cable, 3 m | \$198.00 |
| 97675 | AD-4212A-08 | Ethernet interface with WinCT | \$385.00 |
| 97676 | AD-4212A-19 | Stainless steel breeze break (200 g only) | \$143.00 |



ANALYTICAL

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
- Underweigh hook
- Optional glass breeze break

Specifications

Weighing Units:

Gram, ounce, pound, pound/ounce, troy ounce, grain (see technical manual for complete listing)

Operating Modes:

Weigh, count and percent

Power:

110/220 V VAC adapter

Stabilization Time:

Approx. 1 second (typical in FAST mode)

Calibration Weight:

GF-124A: 100 g

GF-224A: 200 g

GF-324A: 300 g

Temperature:

Operating:

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 (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200327 | \$3,052.50 |
| GF-224A | 220 g | 0.0001 g | 0.0001 g | ±0.0002 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200328 | \$3,327.50 |
| GF-324A | 320 g | 0.0001 g | 0.0002 g (300 g) 0.0001 g (200 g) | ±0.0003 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200329 | \$3,932.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output (includes 192673) | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192675 | GXA-10 | Large glass breeze break | \$423.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192678 | GXA-17 | Large breeze break with built-in fanless ionizer (static eliminator) | \$1,837.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



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 adjustment 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
- Underweigh hook

Specifications

Weighing Units:

Gram, ounce, pound, carat, pennyweight, troy ounce, grain (see technical manual for complete listing)

Operating Modes:

Animal weighing, comparator function, ACAL counting function, percentage, density determination, statistical calculation

Power:

120 VAC 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: 100 g
GX-224A, GX-224AE, GX-324A, GX-324AE: 200 g

Ionizer (fanless):

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200330 | \$3,630.00 |
| GX-124AE | 120 g | 0.0001 g | 0.0001 g | ±0.0002 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200334 | \$5,087.50 |
| GX-224A | 220 g | 0.0001 g | 0.0001 g | ±0.0002 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200332 | \$3,905.00 |
| GX-224AE | 220 g | 0.0001 g | 0.0001 g | ±0.0002 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200335 | \$5,307.50 |
| GX-324A | 320 g | 0.0001 g | 0.0002 g (300 g) 0.0001 g (200 g) | ±0.0003 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200333 | \$4,372.50 |
| GX-324AE | 320 g | 0.0001 g | 0.0002 g (300 g) 0.0001 g (200 g) | ±0.0003 g | 8.78 in H (223 mm H) | Ø 3.6 in (90 mm) | 10.2 × 14.1 × 13.1 in (259 × 358 × 332 mm) <i>Includes Large Glass Breeze Break</i> | 200336 | \$5,692.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C Interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output (includes 192673) | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192675 | GXA-10 | Large glass breeze break | \$423.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



LEGAL FOR TRADE

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 communication tools software included
- Weighing chamber
- Tough die-cast aluminum housing
- Removable stainless steel pan
- 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 (see technical manual for complete listing)

Operating Modes:

Weigh, count and percent

Power:

110/220 V VAC 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

Temperature:

Operating:
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 04-077 e=0.01 g



| 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 | 3.6 in H (92 mm) | 5 × 5 in (127 mm) | 8.27 × 12.48 × 3.39 in (210 × 317 × 86 mm) | 97799 | \$1,760.00 |
| GF-300P | 310 g | 0.001 g | 0.001 g | ±0.002 g | 3.6 in H (92 mm) | 5 × 5 in (127 mm) | 8.27 × 12.48 × 3.39 in (210 × 317 × 86 mm) | 97800 | \$2,090.00 |

Options/Accessories

| Part# | A&D Model# | Description | Price |
|--------|----------------|---|----------|
| 102891 | GX-02 | USB option | \$198.00 |
| 97697 | GX-10 | Glass breeze break for GF-200 and 300 | \$357.50 |
| 97703 | AX:073003691-S | Protective in-use cover for GF-200/300 (each) | \$29.15 |
| 97649 | TB:648 | AC adapter (120 V/220 V) standard with unit | \$58.30 |



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
- Underweigh hook

OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT 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:

120/240 VAC adapter, approx. 11 VA

Stabilization Time:

Approx. 1 second

Display Refresh Rate:

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

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

85% RH or less

Est. Weight:

8 lb (3.5 kg)

Warranty:

Five-year limited

Return Policy:

A&D Weighing standard policy - restock fee may apply

Approvals:

NTEP 08-045A4
Measurement Canada AM-5692



Measurement
Canada
Approved

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|------------------------------------|----------|-------------|---------------|-----------|------------------|---|---------------|------------|
| NTEP Certified | | | | | | | | |
| FX-1200iN | 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 | \$1,474.00 |
| Measurement Canada Approved | | | | | | | | |
| FX-300iNC | 320 g | 0.001 g | 0.001 g | ±0.002 g | 5.12 in (130 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 168077 | \$1,562.00 |
| 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 | \$1,474.00 |

Options/Accessories

| Part# | A&D Model # | Description | Price |
|---------------|-------------|--|------------|
| 98027* | FXi-02 | Quick USB interface | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus software | \$385.00 |
| 98029* | FXi-09 | Built-in rechargeable battery | \$429.00 |
| 98030 | FXi-10 | Small breeze break | \$104.50 |
| 98031 | FXi-11 | Large breeze break | \$176.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

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



LEGAL FOR TRADE

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 VAC adapter (optional Ni-MH battery pack)

Stabilization Time:

< 2 seconds

Display Type:

7 segment LCD with backlight
(character height 16 mm)

Calibration Weight:

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

Temperature:

Operating:
14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

Less than 85% R.H. (non-condensing)

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 04-019A3



| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|-----------------------|----------|-------------|---------------|-----------|--------------------------------|---|--------------|------------|
| NTEP Certified | | | | | | | | |
| EK-600i | 600 g | 0.1 g | 0.1 g | ±0.1 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97752 | \$682.00 |
| EK-1200i | 1,200 g | 0.1 g | 0.1 g | ±0.1 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97753 | \$676.50 |
| EK-6000i | 6,000 g | 1 g | 1 g | ±1 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97758 | \$731.50 |
| EK-12i | 12,000 g | 1 g | 1 g | ±1 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97759 | \$924.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|---------------|---------------|---|----------|
| 97760 | EKW-04i | Comparator/relay outputs/buzzer | \$220.00 |
| 97761 | EKW-07i | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$69.30 |
| 97762 | EKW-09i | NiCad battery pack | \$280.50 |
| 97764 | AX:3005824-5S | Protective dust cover (not in use) | \$17.33 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97766 | TB:662 | AC adapter (120 V) | \$52.25 |
| 97767 | TB:164 | AC adapter (240 V) | \$75.90 |
| 151247 | AD-1688 | Data logger | \$407.00 |



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+

Calibration Weight :

EW-1500i: 1,500 g

EW-12Ki: 12 kg

Temperature:

Operating:

14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

Less than 85% R.H. (non-condensing)

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 04-019A3



| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|-----------------------|------------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|--|--------------|------------|
| NTEP Certified | | | | | | | | |
| 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 | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97769 | \$550.00 |
| 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 | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97771 | \$550.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|---------------|---------------|---|----------|
| 97760 | EKW-04i | Comparator/relay outputs/buzzer | \$220.00 |
| 97761 | EKW-07i | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$69.30 |
| 97762 | EKW-09i | NiCad battery pack | \$280.50 |
| 97764 | AX:3005824-5S | Protective dust cover (not in use) | \$17.33 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97766 | TB:662 | AC adapter (120 V) | \$52.25 |
| 97767 | TB:164 | AC adapter (240 V) | \$75.90 |
| 151247 | AD-1688 | Data logger | \$407.00 |



EW-1500i square pan

PRECISION

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 adjustment 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
- Underweigh hook

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

Est. Weight:

18 lb (8 kg)

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | \$2,145.00 |
| 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 | \$2,376.00 |
| 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 | \$2,519.00 |
| 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 | \$3,300.00 |
| 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 | \$3,795.00 |
| 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 | \$4,317.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192675 | GXA-10 | Large glass breeze break | \$423.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192678 | GXA-17 | Large breeze break with built-in fanless ionizer (static eliminator) | \$1,837.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



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
- Underweigh hook

Specifications

Weighing Units:

Pound, carat, pennyweight, troy ounce, grain, decimal ounce, pound/ounce

Operating Modes:

Counting, percentage

Power:

120/240 VAC 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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

RH less than 85% (no condensation)

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 | 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) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191707 | \$1,738.00 |
| GF-303A | 320 g | 0.001 g | 0.001 g | ±0.002 g | 3 in H (85 mm H) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191708 | \$1,958.00 |
| GF-403A | 420 g | 0.001 g | 0.001 g | ±0.003 g | 3 in H (85 mm H) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191709 | \$2,123.00 |
| GF-603A | 620 g | 0.001 g | 0.001 g | ±0.03 g | 3 in H (85 mm H) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191710 | \$2,497.00 |
| GF-1003A | 1,100 g | 0.001 g | 0.001 g | ±0.03 g | 3 in H (85 mm H) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191711 | \$2,997.50 |
| GF-1603A | 1,620 g | 0.001 g | 0.002 g | ±0.03 g | 3 in H (85 mm H) | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191712 | \$3,877.50 |

Options/Accessories

| Part# | A&D Model# | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192675 | GXA-10 | Large glass breeze break | \$423.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192678 | GXA-17 | Large breeze break with built-in fanless ionizer (static eliminator) | \$1,837.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



Apollo GF-1003A

PRECISION

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
- Underweigh hook

Specifications

Weighing Units:

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 VAC adapter, approx. 11 VA

Stabilization Time:

Approx. 1 second

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: 300 g

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | \$1,826.00 |
| 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 | \$1,914.00 |
| 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 | \$2,046.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|---|----------|
| 98027* | FXi-02 | Quick USB interface | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus software | \$385.00 |
| 98029* | FXi-09 | Built-in rechargeable battery | \$429.00 |
| 98030 | FXi-10 | Small breeze break | \$104.50 |
| 98031 | FXi-11 | Large breeze break | \$176.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |

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



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
- Underweigh hook

OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT communication tools software

Note: FXi NTEP and FXi models available by special order (internal adjustment weight)

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 VAC adapter, approx. 11 VA

Stabilization Time:

Approx. 1 second

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | 5.12 in (130 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98021 | \$1,386.00 |
| FX-200i | 220 g | 0.001 g | 0.001 g | ±0.002 g | 5.12 in (130 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98022 | \$1,441.00 |
| FX-300i | 320 g | 0.001 g | 0.001 g | ±0.002 g | 5.12 in (130 mm) | 7.6 × 10.3 × 3.3 in (193 × 263 × 85 mm) | 98023 | \$1,496.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 98027* | FXi-02 | Quick USB interface | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus software | \$385.00 |
| 98029* | FXi-09 | Built-in rechargeable battery | \$429.00 |
| 98030 | FXi-10 | Small breeze break | \$104.50 |
| 98031 | FXi-11 | Large breeze break | \$176.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

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



PRECISION

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 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:

120 VAC adapter, 11 VA

Stabilization Time:

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)

Temperature:

Operating:

41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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-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 | \$6,297.50 |
| 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 | \$6,930.00 |
| 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 | \$7,205.00 |

Options/Accessories

| Part# | A&D Model# | Description | Price |
|-------|-------------|--|----------|
| 97672 | AD-4212A-01 | BCD output (factory installed, four month lead time) | \$676.50 |
| 97674 | AD-4212A-07 | Extension cable, 3 m | \$198.00 |
| 97675 | AD-4212A-08 | Ethernet interface with WinCT | \$385.00 |
| 97676 | AD-4212A-19 | Stainless steel breeze break (200 g only) | \$143.00 |



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
- Underweigh hook

OPTIONS

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT communication tools software

Specifications

Weighing Units:

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 VAC adapter, approx. 11 VA

Stabilization Time:

Approx. 1 second

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: 3,000 g

Temperature:

Operating:
 41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | \$1,419.00 |
| 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 | \$1,485.00 |
| 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 | \$1,551.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 98027* | FXi-02 | Quick USB interface | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus software | \$385.00 |
| 98029* | FXi-09 | Built-in rechargeable battery | \$429.00 |
| 98030 | FXi-10 | Small breeze break | \$104.50 |
| 98031 | FXi-11 | Large breeze break | \$176.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

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



TOPLOADER

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 adjustment 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
- Underweigh hook

Specifications

Weighing Units:

Gram, ounce, pound, carat, pennyweight, troy ounce, grain (see technical manual for complete listing)

Operating Modes:

Animal weighing, comparator function, ACAL counting function, percentage, density determination, statistical calculation

Power:

120 VAC 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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | Pan Size | Dimensions | Part # | List Price |
|-----------|----------|-------------|---------------|-----------|--------------------------------|--|--------|------------|
| GX-2002A | 2,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191697 | \$2,376.00 |
| GX-3002A | 3,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191700 | \$2,832.50 |
| GX-4002A | 4,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191701 | \$2,970.00 |
| GX-6001A | 6,200 g | 0.1 g | 0.1 g | ±0.01 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191705 | \$2,629.00 |
| GX-6002A | 6,200 g | 0.01 g | 0.01 g | ±0.03 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191702 | \$3,465.00 |
| GX-10001A | 10,200 g | 0.1 g | 0.1 g | ±0.01 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191706 | \$2,596.00 |
| GX-10002A | 10,200 g | 0.01 g | 0.02 g | ±0.03 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191704 | \$4,647.50 |

Options/Accessories

| Part# | A&D Model# | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C Interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output (includes 192673) | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192678 | GXA-17 | Large breeze break with built-in fanless ionizer (static eliminator) | \$1,837.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



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
- Underweigh hook

Specifications

Weighing Units:

Pound, carat, pennyweight, troy ounce, grain, decimal ounce, pound/ounce

Operating Modes:

Counting, percentage

Power:

120/240 VAC 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

Temperature:

Operating:
 41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191713 | \$1,760.00 |
| GF-2002A | 2,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191714 | \$1,804.00 |
| GF-3002A | 3,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191715 | \$1,870.00 |
| GF-4002A | 4,200 g | 0.01 g | 0.01 g | ±0.02 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191716 | \$2,398.00 |
| GF-6002A | 6,200 g | 0.01 g | 0.01 g | ±0.03 g | 5 × 5 in (128 × 128 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191717 | \$2,942.50 |
| GF-6001A | 6,200 g | 0.1 g | 0.1 g | ±0.1 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 192486 | \$1,991.00 |
| GF-10001A | 10,200 g | 0.1 g | 0.1 g | ±0.1 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 192487 | \$2,079.00 |
| GF-10002A | 10,200 g | 0.01 g | 0.1 g | ±0.03 g | 6.5 × 6.5 in (165 × 165 mm) | 8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm) | 191718 | \$3,602.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|--------------|--|------------|
| 192662 | GXA-03 | RS-232C interface (D-sub 9-pin male) | \$302.50 |
| 192663 | GXA-04 | Comparator output (requires 192667) | \$286.00 |
| 192667 | AX-K05692 | MiniDIN 8-pin male for GXA-04 | \$45.00 |
| 192671 | GXA-06 | Analog output (includes 192673) | \$286.00 |
| 192674 | GXA-09 | Internal rechargeable battery (must be factory installed) | \$599.50 |
| 192675 | GXA-10 | Large glass breeze break | \$423.50 |
| 192676 | GXA-12 | Animal weighing pan (for models of 320 g capacity or higher) | \$192.50 |
| 192677 | GXA-13 | Density determination kit (for 1 mg models only) | \$654.50 |
| 192678 | GXA-17 | Large breeze break with built-in fanless ionizer (static eliminator) | \$1,837.00 |
| 192679 | GXA-23-PRINT | External key input interface for SW:137-PRINT foot switch | \$275.00 |
| 192680 | GXA-23-RZERO | External key input interface for SW:137-REZERo foot switch | \$269.50 |
| 192681 | GXA-23-PLUG | External key input interface for AX-T-314A-S plug | \$269.50 |
| 192682 | GXA-24 | USB host interface (USB A type) | \$143.00 |
| 192683 | GXA-25 | External fanless ionizer (static eliminator) | \$1,056.00 |
| 192684 | GXA-26 | External IR switch (MiniDIN 4-pin male) | \$225.50 |



Apollo GF-3002A

TOPLOADER

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
- Underweigh hook

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 VAC adapter, approx. 11 VA

Stabilization Time:

Approx. 1 second

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: 300 g

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 | \$1,815.00 |
| 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 | \$1,914.00 |
| 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 | \$2,035.00 |

Options/Accessories

| Part# | A&D Model # | Description | Price |
|--------|-------------|---|----------|
| 98027* | FXi-02 | Quick USB interface | \$115.50 |
| 98028* | FXi-08 | Ethernet interface with WinCT Plus software | \$385.00 |
| 98029* | FXi-09 | Built-in rechargeable battery | \$429.00 |
| 98030 | FXi-10 | Small breeze break | \$104.50 |
| 98031 | FXi-11 | Large breeze break | \$176.00 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |

*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



EJ-200



EJ-2000

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:

Adapter:
120 VAC included (230 VAC optional)
Battery:
70 hours operation (four AA not included)

Stabilization Time:

< 2 seconds

Display Type:

Seven segment LCD with backlight (character height 16 mm)

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

Temperature:

Operating:
14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

Less than 85% RH (no condensation)

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: 1,100 g

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 | \$649.00 |
| 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 | \$341.00 |
| 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 | \$429.00 |
| 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 | \$506.00 |
| 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 | \$550.00 |
| 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 | \$715.00 |
| 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 | \$341.00 |
| 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 | \$418.00 |
| 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 | \$511.50 |
| 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 | \$572.00 |
| 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 | \$654.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|----------|
| 112426 | EJ-02 | USB interface with cable | \$115.50 |
| 112427 | EJ-03 | RS-232 interface with cable | \$104.50 |
| 112428 | EJ-07 | Underhook for EJ-3000, EJ-4100 and EJ-6100 | \$92.40 |
| 112429 | EJ-08 | Underhook for EJ-1500 and EJ-2000 | \$92.40 |
| 112430 | EJ-11 | Breeze break | \$92.40 |
| 112431 | EJ-12 | Carrying case | \$86.90 |
| 112432 | EJ-13 | Density determination kit | \$104.50 |
| 97766 | TB:662 | AC adapter, 120 V | \$52.25 |
| 97767 | TB:164 | AC adapter, 220 V | \$75.90 |
| 151247 | AD-1688 | Data logger | \$407.00 |

TOPLOADER

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 VAC adapter (optional Ni-MH battery pack)

Stabilization Time:

< 2 seconds

Display Type:

Seven segment LCD with backlight
(character height 16 mm)

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

Temperature:

Operating:
14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

Less than 85% RH (non-condensing)

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 | Ø 4.3 in (110 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97747 | \$654.50 |
| EK-200i | 200 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) | 97748 | \$704.00 |
| EK-300i | 300 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) | 97749 | \$731.50 |
| EK-410i | 400 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) | 97750 | \$825.00 |
| EK-610i | 600 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) | 97751 | \$968.00 |
| EK-2000i | 2,000 g | 0.1 g | 0.1 g | ±0.1 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97754 | \$709.50 |
| EK-3000i | 3,000 g | 0.1 g | 0.1 g | ±0.2 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97755 | \$770.00 |
| EK-4100i | 4,000 g | 0.1 g | 0.1 g | ±0.2 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97756 | \$918.50 |
| EK-6100i | 6,000 g | 0.1 g | 0.1 g | ±0.2 g | 5.2 × 6.7 in (133 × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97757 | \$1,144.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|---------------|---|----------|
| 97760 | EKW-04i | Comparator/relay outputs/buzzer | \$220.00 |
| 97761 | EKW-07i | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$69.30 |
| 97762 | EKW-09i | NiCad battery pack | \$280.50 |
| 97764 | AX:3005824-5S | Protective dust cover (not in use) | \$17.33 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97766 | TB:662 | AC adapter (120 V) | \$52.25 |
| 97767 | TB:164 | AC adapter (240 V) | \$75.90 |
| 151247 | AD-1688 | Data logger | \$407.00 |



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 Modes:

Counting, percentage, comparator

Power:

AC adapter or Ni-MH battery pack (option)

Stabilization Time:

< 2 seconds

Calibration Weight:

150 g

Temperature:

Operating:
14 °F to 104 °F (-10 °C to 40 °C)

Humidity:

Less than 85% RH
(no condensation)

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) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 97768 | \$550.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|---------------|---|----------|
| 97760 | EKW-04i | Comparator/relay outputs/buzzer | \$220.00 |
| 97761 | EKW-07i | Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki | \$69.30 |
| 97762 | EKW-09i | NiCad battery pack | \$280.50 |
| 97764 | AX:3005824-5S | Protective dust cover (not in use) | \$17.33 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97766 | TB:662 | AC adapter (120 V) | \$52.25 |
| 97767 | TB:164 | AC adapter (240 V) | \$75.90 |
| 151247 | AD-1688 | Data logger | \$407.00 |



HIGH CAPACITY

GX-M Series

Standard Features

- Internal adjustment weight
- 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)
- Underweigh hook

Specifications

Weighing Units:

Pound, carat, pennyweight, troy ounce, grain, decimal ounce, pound/ounce

Operating Modes:

Counting, percentage

Power:

120/240 VAC adapter

Stabilization Time:

Approx. 1.5 seconds

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

Temperature:

Operating:
 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 |
|------------|------------------|----------------|-----------------|------------------|-----------------------------------|---|--------|------------|
| GX-8202M | 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) | 207408 | \$4,565.00 |
| GX-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 (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | 207409 | \$3,987.50 |
| GX-10202M | 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) | 207410 | \$4,895.00 |
| GX-12001M | 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) | 207411 | \$4,152.50 |
| GX-22001M | 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) | 207412 | \$4,482.50 |
| GX-32001M | 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) | 207413 | \$5,170.00 |
| GX-32001MD | 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) | 207414 | \$4,015.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|---------------|--|------------|
| 207431 | GX-04K* | Comparator/output and RS-232C/20 mA interface | \$566.50 |
| 207432 | GX-06K* | Analog output/20 mA interface | \$665.50 |
| 97784 | GX-07K** | Waterproof cable for standard RS-232C | \$407.00 |
| 102899 | GXK-12 | Animal weighing pan | \$1,094.50 |
| 102898 | GXK-31 | Draft shield | \$154.00 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97785 | AX:073007197A | Protective in-use cover | \$29.15 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

*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).



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
- Underweigh hook

Specifications

Weighing Units:

Pound, carat, pennyweight, troy ounce, grain, decimal ounce, pound/ounce operating modes, counting, percentage

Power:

120/240 VAC adapter

Stabilization Time:

Approx. 1.5 seconds (typical in FAST mode)

Display Refresh Rate:

5 times/second or
10 times/second

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

RH less than 85%
(no condensation)

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 |
|------------|---------------|--------------|---------------|----------------|-----------------------------------|---|--------|------------|
| GF-8202M | 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) | 207415 | \$4,345.00 |
| 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 (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | 207416 | \$3,685.00 |
| GF-10202M | 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) | 207417 | \$4,675.00 |
| GF-12001M | 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) | 207418 | \$3,932.50 |
| GF-22001M | 22.2 kg | 0.1 g | ±0.2 g | 0.1 g | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | 207419 | \$4,180.00 |
| GF-32001M | 32.2 kg | 0.1 g | ±0.2 g | 0.1 g | 10.62 × 8.26 in (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | 207420 | \$4,895.00 |
| 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 (270 × 210 mm) | 11.81 × 13.98 × 4.37 in (300 × 355 × 111 mm) | 207422 | \$3,685.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|---------------|--|------------|
| 207431 | GX-04K* | Comparator/output and RS-232C/20 mA interface | \$566.50 |
| 207432 | GX-06K* | Analog output/20 mA interface | \$665.50 |
| 97784 | GX-07K** | Waterproof cable for standard RS-232C | \$407.00 |
| 102899 | GXK-12 | Animal weighing pan | \$1,094.50 |
| 102898 | GXK-31 | Draft shield | \$154.00 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97785 | AX:073007197A | Protective in-use cover | \$29.15 |
| 97649 | TB:648 | AC adapter (120 V/220 V) | \$58.30 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |

*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).



HIGH CAPACITY

GX-L Series

Standard Features

- IP65 protecton
- Internal adjustment weight with manual, interval or auto-environmental compensation
- RS-232 interface for connecting to printer or PC
- Data-collection software
- Auto re-zero function
- Flexible display positions
- 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)

Height with Column:

652 mm

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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 |
|------------|----------|-------------|---------------|-----------|----------------------------------|--|--------|------------|
| GX-12001L | 12 kg | 0.1 g | 0.1 g | ±0.2 g | 15.2 × 13.5 in (386 × 343 mm) | 14.6 × 24.2 × 5.1 in (372 × 615 × 130 mm) | 227355 | \$4,554.00 |
| GX-22001L | 22 kg | 0.1 g | 0.1 g | ±0.2 g | 15.2 × 13.5 in (386 × 343 mm) | 14.6 × 24.2 × 5.1 in (372 × 615 × 130 mm) | 227356 | \$5,021.50 |
| GX-32001LD | 6.2 kg | 0.1 g | 0.1 g | ±0.2 g | 15.2 × 13.5 in (386 × 343 mm) | 13.5 × 17.4 × 5.5 in (344 × 442 × 139 mm) | 227357 | \$4,152.50 |
| GX-42001L | 42 kg | 0.5 g | 0.5 g | ±1 g | 15.2 × 13.5 in (386 × 343 mm) | 14.6 × 24.2 × 5.1 in (372 × 615 × 130 mm) | 227358 | \$5,544.00 |
| GX-102000L | 102 kg | 1 g | 1 g | ±2 g | 15.2 × 13.5 in (386 × 343 mm) | 14.6 × 24.2 × 5.1 in (372 × 615 × 130 mm) | 227359 | \$7,166.50 |

Options/Accessories

| Part# | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 97607 | AD-1682 | Rechargeable battery pack | \$896.50 |
| 97608 | AD-8920 | Universal remote display | \$357.50 |
| 97813 | GP-04 | Comparator output with buzzer | \$335.00 |
| 97814 | GP-06 | Analog output (replaces standard RS-232C) | \$995.00 |
| 97815 | GP-07 | GP extension cable (factory installed 120 day lead time) | \$407.00 |
| 97816 | GP-20 | Underhook GP-12 kg thru 40 kg | \$247.50 |
| 97817 | GP-21 | Underhook GP-60 kg thru 102 kg | \$247.50 |
| 97605 | AD-100-2 | Anti-theft device | \$99.00 |
| 97820 | 07:3004753 | Protective in-use cover | \$34.65 |
| 97613 | TB:136 | AC adapter (120 V) standard with unit | \$52.25 |
| 97614 | TB:137 | AC adapter (220 V) | \$75.90 |
| 97609 | AD-8922 | Remote controller | \$841.50 |
| 102904 | GP-12 | Animal weighing pan | \$2,167.00 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 97612 | SW:128 | Foot switch | \$110.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



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*

Stabilization Time:

< 2 seconds

Calibration Weight:

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

**(Battery life determined with backlight off with four AA batteries. The EK-EAP must be used with 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.)*

Temperature:

Operating:
 32 °F to 104 °F (0 °C to 40 °C)

Est. Weight:

3.5 lb (1.5 kg)

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 | Ø4.33 in (110 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 199565 | \$2,068.00 |
| EK-3000AEP | 3,000 g | 0.1 g | 0.1 g | ±0.2 g | 5.24 in × 6.69 in (133 mm × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 199566 | \$2,189.00 |
| EK-12KAEP | 12,000 g | 1 g | 1 g | ±1 g | 5.24 in × 6.69 in (133 mm × 170 mm) | 7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm) | 199567 | \$2,442.00 |

Options/Accessories

| Part# | A&D Model# | Description | Price |
|--------|---------------|---|------------|
| 177696 | EJ-12 | Carrying case | \$86.90 |
| 202077 | AD-1611 | Safe area serial output module (requires a fiber-optic cable) | \$577.50 |
| 202074 | AX-KS5456-010 | Fiber-optic cable (10 m) | \$396.00 |
| 202075 | AX-KS5456-030 | Fiber-optic cable (30 m) | \$704.00 |
| 202076 | AX-KS5456-060 | Fiber-optic cable (60 m) | \$1,034.00 |



EK-300AEP



EK-3000AEP

MOISTURE ANALYZERS

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 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%

Temperature:

Operating:
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 | Ø 2.16 in (85 mm) | 8.46 × 12.6 × 6.8 in (215 × 320 × 173 mm) | 97821 | \$7,342.50 |
| MX-50 | 51 g | 0.001 g | Ø 2.16 in (85 mm) | 8.46 × 12.6 × 6.8 in (215 × 320 × 173 mm) | 97822 | \$4,565.00 |
| MF-50 | 51 g | 0.002 g | Ø 2.16 in (85 mm) | 8.46 × 12.6 × 6.8 in (215 × 320 × 173 mm) | 97823 | \$3,685.00 |
| ML-50 | 51 g | 0.005 g | Ø 2.16 in (85 mm) | 8.46 × 12.6 × 6.8 in (215 × 320 × 173 mm) | 112408 | \$3,107.50 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 97824 | AX-31 | Sample pans (washable, 100 each) | \$132.00 |
| 97825 | AX-32-2 | Glass fiber sheets (100 each) | \$69.30 |
| 97826 | AX-33 | Sodium tartrate dehydrate test samples (30 × 12 g) | \$110.00 |
| 97827 | AX-34 | Halogen lamp (replacement) | \$86.90 |
| 97828 | AX-35 | Pan handles (2 each) | \$34.65 |
| 97829 | AX-36 | Tweezers (2 each) | \$23.10 |
| 97830 | AX-37 | Spoons (2 each) | \$29.15 |
| 97831 | AX-38 | Protective in-use covers (5 each) | \$58.30 |
| 97832 | AX-39 | Dust cover | \$23.10 |
| 97833 | AX-42 | WinCT Moisture (standard for MS-70 and MX-50, option for MF-50) | \$313.50 |
| 97834 | AD-1700-20G | Calibration mass (20 g) | \$143.00 |
| 97837 | AX-43 | Temperature calibrator (MS-70 and MX-50 only) | \$594.00 |
| 151247 | AD-1688 | Data logger | \$407.00 |
| 196128 | AD-8127 | Impact dot matrix, statistical printer, includes cable | \$1,133.00 |



AD-1683

Standard Features

- Requires no high-voltage wiring
- Eliminates static charges
- Little or no reverse charge is induced by irradiated ions
- Static elimination in narrow and remote places
- Suited for static elimination in narrow and remote places because of its lengthy ion irradiation distance
- Produces a small amount of ozone
- Current limiting circuit incorporated in the ion generating electrode
- No swing in surface potential of the charged object

Specifications

Power:
100 to 240 VAC, 50/60 Hz, 1.5 VAC

Elimination Range:
Distance: 10 to 30 cm from electrode
Area: 30 × 30 cm from electrode

Static Elimination Method:
DC corona discharge DUAL-DC

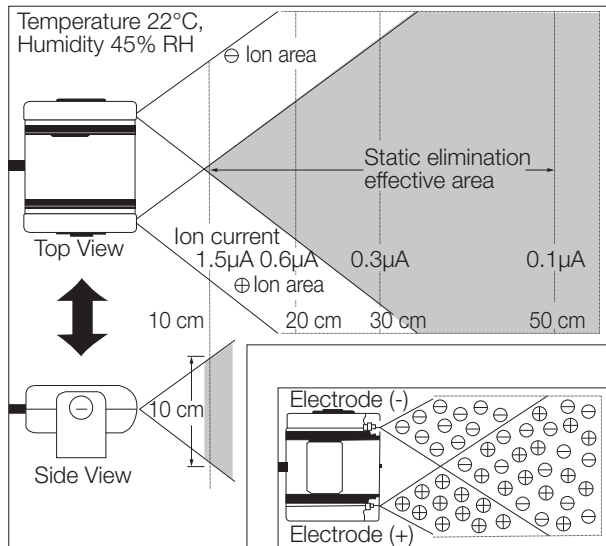
Static Eliminating Electrode:
Tungsten emitter

Est. Weight:
300 g

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: 30 cm × 30 cm | DC corona discharge DUAL-DC | Tungsten emitter | -5 °C to 40 °C, 35% to 85% RH (no condensation) | 300 g | 97610 | \$1,584.00 |

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



SEMI-MICRO

Explorer® Series

Standard Features

- Intuitive SmarText™ software
- Four 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:

AC adapter input: 100 to 240 VAC 0.6 A 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

Temperature:

Operating:
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 / 0.1 mg | ±0.015 mg | 0.1 mg | ±0.1 mg | 3.2 in (81 mm) | 9 × 15.4 × 13.8 in (230 × 393 × 350 mm) | 171347 | \$10,110.00 |
| EX125 | 120 g | 0.01 mg | ±0.015 mg | 0.02 mg | ±0.1 mg | 3.2 in (81 mm) | 9 × 15.4 × 13.8 in (230 × 393 × 350 mm) | 171348 | \$12,600.00 |
| EX225D | 120 g/220 g | 0.01 mg / 0.1 mg | ±0.015 mg | 0.02 mg / 0.1 mg | ±0.1 mg | 3.2 in (81 mm) | 9 × 15.4 × 13.8 in (230 × 393 × 350 mm) | 171349 | \$12,870.00 |
| EX225D/AD | 120 g/220 g | 0.01 mg / 0.1 mg | ±0.015 mg | 0.02 mg / 0.1 mg | ±0.1 mg | 3.2 in (81 mm) | 9 × 15.4 × 13.8 in (230 × 393 × 350 mm) | 171350 | \$13,290.00 |
| EX225/AD | 220 g | 0.01 mg | ±0.015 mg | 0.03 mg | ±0.1 mg | 3.2 in (81 mm) | 9 × 15.4 × 13.8 in (230 × 393 × 350 mm) | 171351 | \$13,770.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|------------------------------|----------|
| 70406 | 80500525 | RS-232 Cable, PC 9-pin to EX | \$354.00 |
| 156234 | 46001724 | Multi-range AC adapter | \$90.00 |
| 156235 | 46001780 | International plug set | \$45.00 |



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
- Standard security bracket
- RS-232 interface for connecting to printer or PC
- Security menu lock
- Backlight display
- Underweigh hook

Specifications

Weighing Units:

Milligram, gram, carat, ounce, troy ounce, grain, pennyweight, momme, ticals, tola, baht, mesghal, newton, custom unit

Operating Modes:

Weighing, parts counting, percent, density determination, dynamic weighing

Power:

120 VAC adapter (220 to 240 VAC 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

Temperature:

Operating:
50 °F to 86 °F (10 °C to 30 °C)

Est. Weight:

10 lb (4.5 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 |
|---------|----------|-------------|---------------|-----------|---|--------------------|--|--------|------------|
| PX84/E | 82 g | 0.1 mg | 0.1 mg | 0.2 mg | 7.32 × 6.30 × 9.05 in (186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191850 | \$3,060.00 |
| PX124/E | 120 g | 0.1 mg | 0.1 mg | 0.2 mg | 7.32 × 6.30 × 9.05 in (186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191851 | \$3,510.00 |
| PX224/E | 220 g | 0.1 mg | 0.1 mg | 0.2 mg | 7.32 × 6.30 × 9.05 in (186 × 160 × 230 mm) | 3.54 in (90 mm) | 8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm) | 191852 | \$3,900.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|--|------------|
| 67413 | 80850080 | TAL software WinWedge® | \$760.00 |
| 191875 | 80850043 | Security device | \$426.00 |
| 102799 | 80780009 | Forceps, 2.75 in (70 mm) | \$52.00 |
| 102800 | 80780010 | Forceps, 3.5 in (89 mm) | \$52.00 |
| 33454 | 80250048 | Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g | \$78.00 |
| 97250 | 80250400 | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in | \$144.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm) | \$89.00 |
| 156234 | 46001724 | AC adapter (requires 156235 plug set) | \$90.00 |
| 156235 | 46001780 | Universal plug set | \$45.00 |
| 191876 | 30472064 | Auxiliary display AD7-RS | \$138.00 |
| 191877 | 80253384 | Density kit | \$1,332.00 |
| 191878 | 83034024 | Sinker glass for density determination | \$1,116.00 |
| 191879 | 83021085 | USB interface cable | \$336.00 |
| 191880 | 30093334 | Dust cover | \$49.00 |
| 191881 | 30372546 | In-use cover | \$80.00 |



ANALYTICAL

Explorer® Series

Standard Features

- Automatic calibration via AutoCal™
- Communication RS-232C
- On-screen prompts
- Spill channel
- Applications library
- Backlit, high-resolution dot matrix display
- GLP outputs via RS-232 to meet traceability requirements
- User-selectable filter, stability indicator and auto-zero tracking
- Five-language operation display text
- Protective in-use cover and security bracket
- Underweigh hook

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 0.6 A 50/60 Hz

Stabilization Time:

EX124: Approx. 2 seconds
EX224: Approx. 2 seconds
EX324: Approx. 3 seconds

Calibration:

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

Temperature:

Operating:
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 (241 × 190 × 165 mm) | Ø 3.5 in (90 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121192 | \$7,500.00 |
| EX224 | 220 g | 0.0001 g | ±0.0001 g | ±0.0002 g | 9.5 × 7.5 × 6.5 in (241 × 190 × 165 mm) | Ø 3.5 in (90 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121193 | \$8,340.00 |
| EX324 | 320 g | 0.0001 g | ±0.0001 g | ±0.0002 g | 9.5 × 7.5 × 6.5 in (241 × 190 × 165 mm) | Ø 3.5 in (90 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121194 | \$9,780.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|-------------------------------|----------|
| 35263 | 80850043 | Security device for EX | \$120.00 |
| 77712 | 80500524 | RS-232 cable, PC 25-pin to EX | \$336.00 |
| 70406 | 80500525 | RS-232 Cable, PC 9-pin to EX | \$354.00 |
| 156234 | 46001724 | Multi-range AC adapter | \$90.00 |
| 156235 | 46001780 | International plug set | \$45.00 |



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 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, 0.3 A, 50/ 60 Hz
AC adapter

Stabilization Time:

< 3 seconds

Calibration Weight:

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

Temperature:

Operating:
50 °F to 86 °F (10 °C to 30 °C)

Est. Weight:

17.2 lb (7.8 kg)

Warranty:

Two-year limited

Return Policy:

OHAUS standard policy - restock fee may apply

| 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 (230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164622 | \$5,490.00 |
| AX224 | 220 g | 0.0001 g | 1 mg | 0.2 mg | 3.5 in (90 mm) | 9.05 × 13.92 × 13.39 in (230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164623 | \$6,060.00 |
| AX324 | 320 g | 0.0001 g | 1 mg | 0.2 mg | 3.5 in (90 mm) | 9.05 × 13.92 × 13.39 in (230 × 354 × 340 mm) | 13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm) | 164625 | \$6,600.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B | \$336.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$426.00 |
| 77712 | 80500524 | 25-pin RS-232 cable (PC) | \$336.00 |
| 70406 | 80500525 | 9-pin RS-232 cable (PC) | \$354.00 |



LEGAL FOR TRADE

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)

Battery Life:

Approx. 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

Stabilization Time:

< 1.5 seconds

Calibration Weight:

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

Temperature:

Operating:
Class II: 0 °F to 86 °F (-17 °C to 30 °C)
Class III: 50 °F to 104 °F (10 °C to 40 °C)

Humidity:

10% to 80% (no condensation)

Est. Weight:

3.3 lb (1.5 kg)

Warranty:

Two-year limited

Approvals:

NTEP 16-015A1
Measurement Canada: AM-6008

Return Policy:

OHAUS standard policy - restock fee may apply



Measurement
Canada
Approved

| 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 (202 × 222 × 103 mm) | 196652 | \$1,248.00 |
| SJX622N/E | 620 g | 0.1 g | 0.01 g | Ø 4.7 in (Ø 120 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 196653 | \$1,548.00 |
| SJX1502N/E | 1,500 g | 0.01 g | 0.02 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 196654 | \$1,800.00 |
| SJX6201N/E | 6,200 g | 1 g | 0.1 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 196655 | \$1,488.00 |



SJX323N/E



SJX622N/E



SJX1502N/E and SJX6201N/E

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:

Approx. 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

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

Temperature:

Operating:
14 °F to 104 °F (-10 °C to 40 °C)

Est. Weight:

9.2 lb (4.2 kg)

Warranty:

One-year limited

Return Policy:

OHAUS standard policy - restock fee may apply

Approvals:

NTEP 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 (300 × 225 mm) | 12.2 × 12.9 × 4.6 in (311 × 327 × 117 mm) | 157316 | \$1,260.00 |
| V71P3T | 3 kg | 0.0001 kg | 11.8 × 8.9 in (300 × 225 mm) | 12.2 × 12.9 × 4.6 in (311 × 327 × 117 mm) | 157317 | \$1,260.00 |
| V71P6T | 6 kg | 0.0002 kg | 11.8 × 8.9 in (300 × 225 mm) | 12.2 × 12.9 × 4.6 in (311 × 327 × 117 mm) | 157318 | \$1,260.00 |
| V71P15T | 15 kg | 0.0005 kg | 11.8 × 8.9 in (300 × 225 mm) | 12.2 × 12.9 × 4.6 in (311 × 327 × 117 mm) | 157319 | \$1,260.00 |
| V71P30T | 30 kg | 0.001 kg | 11.8 × 8.9 in (300 × 225 mm) | 12.2 × 12.9 × 4.6 in (311 × 327 × 117 mm) | 157320 | \$1,260.00 |

Options/Accessories

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



LEGAL FOR TRADE

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, 0.3 A, 50/60 Hz AC adapter

Class:

AX224N: I (0.001 g)
 AX223N/E: II (0.01 g)
 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)

Stabilization Time:

<1.5 seconds

Calibration Weight:

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

Temperature:

Operating:
 10 °C to 30 °C (50 °F to 86 °F)

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 14-082A4
 Measurement Canada: AM-5957



Measurement
 Canada
 Approved

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|-----------|----------|-------------|---------------|-----------|--------------------------------|---|--------|------------|
| 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 | \$6,420.00 |
| 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 | \$2,916.00 |
| 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 | \$3,480.00 |
| 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 | \$3,870.00 |
| 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 | \$2,292.00 |
| 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 | \$2,544.00 |
| 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 | \$2,832.00 |
| 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 | \$3,600.00 |
| 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 | \$2,832.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B | \$336.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$426.00 |
| 77712 | 80500524 | 25-pin RS-232 cable (PC) | \$336.00 |
| 70406 | 80500525 | 9-pin RS-232 cable (PC) | \$354.00 |



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 adjustment weight 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, 0.3 A, 50/60 Hz AC adapter

Stabilization Time:

Approx. 1 second

Calibration Weight:

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

Temperature:

Operating:
10 °C to 30 °C (50 °F to 86 °F)

Est. Weight:

AX223, AX423, AX523: 12.8 lb (5.8 kg)
AX622: 14.8 lb (6.5 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 |
|-------|----------|-------------|---------------|-----------|--------------------------------|---|--------|------------|
| 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 | \$3,300.00 |
| 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 | \$4,020.00 |
| 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 | \$4,380.00 |
| AX622 | 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) | 164633 | \$2,520.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B | \$336.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$426.00 |
| 77712 | 80500524 | 25-pin RS-232 cable (PC) | \$336.00 |
| 70406 | 80500525 | 9-pin RS-232 cable (PC) | \$354.00 |



PRECISION

Pioneer® PX Series

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
- Standard security bracket
- RS-232 interface for connecting to printer or PC
- Security menu lock
- Backlight display
- Flexibility of available options
- Underweigh hook

Specifications

Weighing Units:

Milligram, gram, carat, ounce, troy ounce, grain, pennyweight, momme, tael, tical, tola, baht, mesghal, newton, custom unit

Operating Modes:

Weighing, parts counting, percent, density, determination, dynamic weighing

Power:

120 VAC adapter (220 to 240 VAC 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

Temperature:

Operating:
10 °C to 30 °C (50 °F to 86 °F)

Est. Weight:

10 lb (4.5 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 |
|---------|----------|-------------|---------------|-----------|---------------------|--|--------|------------|
| 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 | \$1,776.00 |
| 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 | \$2,064.00 |

Options/Accessories

| Part # | A&D Model # | Description | Price |
|--------|-------------|---|------------|
| 67413 | 80850080 | TAL software WinWedge® | \$760.00 |
| 191875 | 80850043 | Security device | \$426.00 |
| 102799 | 80780009 | Forceps, 2.75 in (70 mm) | \$52.00 |
| 102800 | 80780010 | Forceps, 3.5 in (89 mm) | \$52.00 |
| 33454 | 80250048 | Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g | \$78.00 |
| 97250 | 80250400 | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in | \$144.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm) | \$89.00 |
| 156234 | 46001724 | AC adapter (requires 156235 plug set) | \$90.00 |
| 156235 | 46001780 | Universal plug set | \$45.00 |
| 191876 | 30472064 | Auxiliary display AD7-RS | \$138.00 |
| 191877 | 80253384 | Density kit | \$1,332.00 |
| 191878 | 83034024 | Sinker glass for density determination | \$1,116.00 |
| 191879 | 83021085 | USB interface cable | \$336.00 |
| 191880 | 30093334 | Dust cover | \$49.00 |
| 191881 | 30372546 | In-use cover | \$80.00 |



Explorer® Series

Standard Features

- Large, 5.7-inch full-color touchscreen display with intuitive setup and application software
- AutoCal™ automatic internal adjustment weight for optimized weighing performance
- 14 application modes, 11 weighing units and five 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

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 0.6 A 50/60 Hz

Stabilization Time:

Approx. 1.5 second

Calibration:

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

Temperature:

Operating: 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 (241 × 191 × 165 mm) | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121195 | \$5,280.00 |
| EX423 | 420 g | 0.001 g | ±0.001 g | ±0.002 g | 9.5 × 7.5 × 6.5 in (241 × 191 × 165 mm) | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121196 | \$5,760.00 |
| EX623 | 620 g | 0.001 g | ±0.001 g | ±0.002 g | 9.5 × 7.5 × 6.5 in (241 × 191 × 165 mm) | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121197 | \$7,050.00 |
| EX1103 | 1,100 g | 0.001 g | ±0.001 g | ±0.002 g | 9.5 × 7.5 × 6.5 in (241 × 191 × 165 mm) | Ø 5.1 in (130 mm) | 9.1 × 15.5 × 13.8 in (230 × 393 × 350 mm) | 121198 | \$8,250.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|-------------------------------|----------|
| 35263 | 80850043 | Security device | \$120.00 |
| 77712 | 80500524 | RS-232 cable, PC 25-pin to EX | \$336.00 |
| 70406 | 80500525 | RS-232 Cable, PC 9-pin to EX | \$354.00 |
| 156234 | 46001724 | Multi-range AC adapter | \$90.00 |
| 156235 | 46001780 | International plug set | \$45.00 |



PRECISION

Scout® Series

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:

Approx. 1 second

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

Temperature:

Operating:
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 |
|--------------------------|----------|-------------|---------------|-----------|------------------|---------------------------------------|--------|------------|
| LCD Model | | | | | | | | |
| SPX123 | 120 g | 0.001 g | 2 d | 0.003 g | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 171984 | \$1,248.00 |
| SPX223 | 220 g | 0.001 g | 2 d | 0.001 g | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 171985 | \$1,392.00 |
| Touchscreen Model | | | | | | | | |
| STX123 | 120 g | 0.001 g | 2 d | 0.003 g | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 171996 | \$1,416.00 |
| STX223 | 220 g | 0.001 g | 2 d | 0.001 g | Ø 3.7 in (93 mm) | 8 × 8.7 × 4.1 in (202 × 222 × 103 mm) | 171998 | \$1,584.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|------------------------------------|----------|
| 67413 | 80850080 | WinWedge® TAL Software | \$760.00 |
| 181878 | 30330714 | Power supply, US plug, 110/220 VAC | \$47.00 |



Standard Features

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

Specifications

Weighing Units:

Milligram, gram, carat, ounce, troy ounce, grain, pennyweight, momme, tael, tical, tola, baht, mesghal, newton, custom unit

Operating Modes:

Weighing, parts counting, percent, density determination, dynamic weighing

Power:

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

Stabilization Time:

160 to 520 g: Approx. 2 seconds
1,600 to 4,200 g: Approx. 1 second

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

Temperature:

Operating:
50 °F to 86 °F (10 °C to 30 °C)

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 (209 × 321 × 98 mm) | 191856 | \$1,704.00 |
| PX2202/E | 2,200 g | 0.01 g | 10 mg | 20 mg | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in (209 × 321 × 98 mm) | 191857 | \$1,872.00 |
| PX3202/E | 3,200 g | 0.01 g | 10 mg | 20 mg | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in (209 × 321 × 98 mm) | 191858 | \$2,244.00 |
| PX4202/E | 4,200 g | 0.01 g | 10 mg | 20 mg | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in (209 × 321 × 98 mm) | 191859 | \$2,544.00 |
| PX2201/E | 2,200 g | 0.1 g | 100 mg | 200 mg | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in (209 × 321 × 98 mm) | 191860 | \$1,584.00 |
| PX4201/E | 4,200 g | 0.1 g | 100 mg | 200 mg | 7.1 in (180 mm) | 8.2 × 12.6 × 3.9 in (209 × 321 × 98 mm) | 191861 | \$1,824.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|---|------------|
| 67413 | 80850080 | TAL software WinWedge® | \$760.00 |
| 191875 | 80850043 | Security device | \$426.00 |
| 102799 | 80780009 | Forceps, 2.75 in (70 mm) | \$52.00 |
| 102800 | 80780010 | Forceps, 3.5 in (89 mm) | \$52.00 |
| 33454 | 80250048 | Black scoop, aluminum 4 in × 3.5 ft (10.2 cm × 8.9 cm), weight 24 g | \$78.00 |
| 97250 | 80250400 | Stainless steel scoop 11.9 in × 7.38 in × 1.69 in | \$144.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm) | \$89.00 |
| 156234 | 46001724 | AC adapter (requires 156235 plug set) | \$90.00 |
| 156235 | 46001780 | Universal plug set | \$45.00 |
| 191876 | 30472064 | Auxiliary display AD7-RS | \$138.00 |
| 191877 | 80253384 | Density kit | \$1,332.00 |
| 191878 | 83034024 | Sinker glass for density determination | \$1,116.00 |
| 191879 | 83021085 | USB interface cable | \$336.00 |
| 191880 | 30093334 | Dust cover | \$49.00 |
| 191881 | 30372546 | In-use cover | \$80.00 |



TOPLOADER

Explorer® Series

Standard Features

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

OPTIONS

- External calibration models

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:

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

Stabilization Time:

1 second

Calibration:

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

Temperature:

Operating:
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 (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121199 | \$5,340.00 |
| EX4202 | 4,200 g | 0.01 g | ±0.01 g | ±0.02 g | 7.5 × 7.9 in (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121200 | \$6,120.00 |
| EX6202 | 6,200 g | 0.01 g | ±0.01 g | ±0.02 g | 7.5 × 7.9 in (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121201 | \$6,960.00 |
| EX10202 | 10,200 g | 0.01 g | ±0.01 g | ±0.02 g | 7.5 × 7.9 in (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121202 | \$8,250.00 |
| EX6201 | 6,200 g | 0.1 g | ±0.1 g | ±0.1 g | 7.5 × 7.9 in (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121203 | \$5,790.00 |
| EX10201 | 10,200 g | 0.1 g | ±0.1 g | ±0.1 g | 7.5 × 7.9 in (190 × 200 mm) | 9.1 × 15.5 × 3.9 in (230 × 393 × 98 mm) | 121204 | \$6,330.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|-------------------------------|----------|
| 35263 | 80850043 | Security device | \$120.00 |
| 77712 | 80500524 | RS-232 cable, PC 25-pin to EX | \$336.00 |
| 70406 | 80500525 | RS-232 Cable, PC 9-pin to EX | \$354.00 |
| 156234 | 46001724 | Multi-range AC adapter | \$90.00 |
| 156235 | 46001780 | International plug set | \$45.00 |



Adventurer® Series

Standard Features

- AutoCal™ automatic internal adjustment weight 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, 0.3 A, 50/60 Hz AC adapter

Stabilization Time:

<1.5 seconds

Temperature:

Operating:
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 (175 × 195 mm) | 13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm) | 164635 | \$3,090.00 |
| AX2202 | 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) | 164637 | \$3,270.00 |
| AX4202 | 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) | 164639 | \$4,110.00 |
| AX5202 | 5,200 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) | 164641 | \$4,650.00 |
| AX4201 | 4,200 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) | 164642 | \$2,712.00 |
| AX8201 | 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) | 164643 | \$3,180.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|-------------------------------|----------|
| 191879 | 83021085 | USB cable, Type A to B | \$336.00 |
| 191875 | 80850043 | Security device (laptop lock) | \$426.00 |
| 77712 | 80500524 | 25-pin RS-232 cable (PC) | \$336.00 |
| 70406 | 80500525 | 9-pin RS-232 cable (PC) | \$354.00 |



TOPLOADER

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)

Calibration Weight:

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)

Temperature:

Operating:
 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 (230 × 174 mm) | 9.5 × 9.8 × 2.9 in (240 × 250 × 74 mm) | 194607 | \$708.00 |
| NVT4201 | 4,200 g | 0.1 g | 0.1 g/±0.2 g | 9.1 × 6.9 in (230 × 174 mm) | 9.5 × 9.8 × 2.9 in (240 × 250 × 74 mm) | 194608 | \$882.00 |
| NVT6200 | 6,200 g | 1 g | 1 g/±2 g | 9.1 × 6.9 in (230 × 174 mm) | 9.5 × 9.8 × 2.9 in (240 × 250 × 74 mm) | 194609 | \$882.00 |
| NVT12000 | 12,000 g | 1 g | 1 g/±2 g | 9.1 × 6.9 in (230 × 174 mm) | 9.5 × 9.8 × 2.9 in (240 × 250 × 74 mm) | 194610 | \$954.00 |
| NVT22000 | 22,000 g | 1 g | 1 g/±2 g | 9.1 × 6.9 in (230 × 174 mm) | 9.5 × 9.8 × 2.9 in (240 × 250 × 74 mm) | 194611 | \$1,134.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|--|----------|
| 118779 | 83032107 | RS-232 interface kit, Navigator series | \$294.00 |
| 118780 | 83032108 | USB interface kit | \$294.00 |
| 118781 | 83032109 | Ethernet interface kit | \$294.00 |
| 194616 | 30467963 | Carrying case | \$198.00 |
| 194615 | 30467987 | Universal AC adapter | \$68.00 |



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)

Battery Life:

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

Stabilization Time:

Approx. 1 second

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

Temperature:

Operating:
 10 °C to 40 °C (50 °F to 104 °F)

Humidity:

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 |
|------------------|----------|-------------|---------------|-----------|-----------------------------|--------------------------------------|--------|------------|
| LCD Model | | | | | | | | |
| SPX222 | 220 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171986 | \$900.00 |
| SPX422 | 420 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171987 | \$1,452.00 |
| SPX622 | 620 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171988 | \$1,704.00 |
| 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 (202 × 224 × 54 mm) | 171989 | \$1,944.00 |
| 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 (202 × 224 × 54 mm) | 171990 | \$2,160.00 |
| SPX421 | 420 g | 0.1 g | 1d | 0.1 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171991 | \$504.00 |
| SPX621 | 620 g | 0.1 g | 1d | 0.1 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171992 | \$744.00 |
| 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 (202 × 224 × 54 mm) | 171993 | \$948.00 |
| 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 (202 × 224 × 54 mm) | 171994 | \$1,536.00 |
| SPX8200 | 8,200 g | 1 g | 1d | 1 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171995 | \$774.00 |



SPX Round Pan

TOPLOADER

Scout® Series

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|--------------------------|----------|-------------|---------------|-----------|--------------------------------|---|--------|------------|
| Touchscreen Model | | | | | | | | |
| STX222 | 220 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 171999 | \$1,038.00 |
| STX422 | 420 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172000 | \$1,452.00 |
| STX622 | 620 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172001 | \$1,704.00 |
| 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 (202 × 224 × 54 mm) | 172002 | \$1,944.00 |
| STX2202 | 2,200 | 0.01 g | 2d | 0.01 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172003 | \$2,160.00 |
| STX421 | 420 g | 0.01 g | 1d | 0.01 g | Ø 4.7 in (120 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172004 | \$594.00 |
| STX621 | 620 g | 0.1 g | 1d | 0.01 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172005 | \$744.00 |
| 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 (202 × 224 × 54 mm) | 172006 | \$1,116.00 |
| 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 (202 × 224 × 54 mm) | 172007 | \$1,764.00 |
| STX8200 | 8,200 g | 1 g | 1d | 0.01 g | 6.7 × 5.5 in (170 × 140 mm) | 8 × 8.8 × 2.1 in (202 × 224 × 54 mm) | 172008 | \$912.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|------------------------------------|----------|
| 67413 | 80850080 | WinWedge® TAL Software | \$760.00 |
| 181878 | 30330714 | Power supply, US plug, 110/220 VAC | \$47.00 |



STX Rectangular Pan

Valor® 3000 Xtreme Series *Non-washdown*

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
- NTEP 08-008A1 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 VAC adapter (9 VDC, 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

Temperature:

Operating: 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 (218 × 186 × 72 mm) | 100283 | \$1,392.00 |
| V31XH402 | 400 g | 0.01 g | 4.7 in (120 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 117790 | \$1,932.00 |
| V31X501 | 500 g | 0.1 g | 4.7 in (120 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 117789 | \$1,074.00 |
| V31XH2 | 2 kg | 0.1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100284 | \$1,392.00 |
| V31X3 | 3 kg | 1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100285 | \$942.00 |
| V31XH4 | 4 kg | 0.1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 117792 | \$1,932.00 |
| V31X6 | 6 kg | 1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100286 | \$942.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|--|----------|
| 103119 | 80251216 | Hardshell carrying case for FD and Valor | \$234.00 |
| 102756 | 80251147 | Sandwich pan, 11 in × 5.9 in (280 × 150 mm) | \$150.00 |
| 102757 | 80251148 | French fries holder pan | \$150.00 |
| 102758 | 80251149 | Ice cream cone holder | \$150.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm) | \$89.00 |
| 97250 | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm) | \$144.00 |



TOPLOADER

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

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:

Approx. 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

Temperature:

Operating:
32 °F to 104 °F (0 °C to 40 °C)

Est. Weight:

10 lb (4.8 kg)

Warranty:

One-year limited

Return Policy:

OHAUS standard policy - restock fee may apply

Approvals:

NTEP 08-008



| Model | Capacity | Resolution | Pan Size | Dimensions | Part # | List Price |
|-----------------------|----------|------------|--------------------------------|---|--------|------------|
| V31XW301 | 300 g | 0.1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100287 | \$1,080.00 |
| NTEP Certified | | | | | | |
| V31XW3 | 3 kg | 1 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100288 | \$1,080.00 |
| V31XW6 | 6 kg | 2 g | 5.8 × 6.2 in (146 × 158 mm) | 8.5 × 7.3 × 3 in (218 × 186 × 72 mm) | 100289 | \$1,080.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|--|----------|
| 103119 | 80251216 | Hardshell carrying case | \$234.00 |
| 102756 | 80251147 | Sandwich pan, 11 × 5.9 in (280 × 150 mm) | \$150.00 |
| 102757 | 80251148 | French fries holder pan | \$150.00 |
| 102758 | 80251149 | Ice cream cone holder | \$150.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm) | \$89.00 |
| 97250 | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm) | \$144.00 |



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
- SmartText™ 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:

Approx. 1 second

Battery Life:

50 hours with 1 hour recharge time

Protection Rating:

IPX8

Safe Overload:

150% of capacity

Calibration:

Digital external calibration

Temperature:

Operating:
-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 (242 × 190 mm) | 10.1 × 11.3 × 4.9 in (256 × 288 × 124 mm) | 102771 | \$972.00 |
| V22XWE6T | 6 kg | 1 g | 7.5 × 9.5 in (242 × 190 mm) | 10.1 × 11.3 × 4.9 in (256 × 288 × 124 mm) | 102772 | \$972.00 |
| V22XWE15T | 15 kg | 2 g | 7.5 × 9.5 in (242 × 190 mm) | 10.1 × 11.3 × 4.9 in (256 × 288 × 124 mm) | 102773 | \$972.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|---|----------|
| 97250 | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm) | \$144.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm) | \$89.00 |



TOPLOADER

Compass CX Series

Standard Features

- Superior RF protection
- Reliable, stable results
- 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
- P models: postal chart included

Specifications

Weighing Units:

Grams, pound/ounce, 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

Calibration Weight:

CX221: 200 g

CX621: 500 g

CX1201, CX2200: 1 kg

CX5200: 2 kg

Temperature:

Operating:

64 °F to 77 °F (18 °C to 25 °C)

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 (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195245 | \$300.00 |
| CX621 | 620 g | 0.1 g | 0.1 g | ±0.1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195246 | \$312.00 |
| CX1201 | 1,200 g | 0.1 g | 0.1 g | ±0.1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195247 | \$324.00 |
| CX2200 | 2,200 g | 1 g | 1 g | ±1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195248 | \$300.00 |
| CX5200 | 5,200 g | 1 g | 1 g | ±1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195249 | \$348.00 |
| CX221P | 220 g | 0.1 g | 0.1 g | ±0.1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195250 | \$324.00 |
| CX2200P | 2,200 g | 1 g | 1 g | ±1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195251 | \$324.00 |
| CX5200P | 5,200 g | 1 g | 1 g | ±1 g | 5 × 5.6 in (127 × 142 mm) | 5.3 × 7.9 × 1.6 in (135 × 201 × 41 mm) | 195252 | \$348.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|------------------|----------|
| 195254 | 30467763 | Carrying case | \$114.00 |
| 181878 | 30330714 | US power adapter | \$47.00 |
| 195256 | 30333865 | AU power adapter | \$48.00 |
| 195257 | 30333866 | EU power adapter | \$48.00 |
| 195258 | 30333867 | UK power adapter | \$48.00 |
| 70434 | 80850075 | Bowl, 1,050 mL | \$74.00 |



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:

Three AA batteries (included)
(AC adapter is optional)

Stabilization Time:

Approx. 3 seconds

Battery Life:

300 hours

Calibration Weight:

CR221: 200 g

CR621: 500 g

CR2200: 1 kg

CR5200: 2 kg

Temperature:

Operating:

18 °C to 25 °C (65 °F to 77 °F)

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 (127 × 132 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 195265 | \$222.00 |
| CR621 | 620 g | 0.1 g | 0.1 g | ± 0.1 g | 5 × 5.2 in (127 × 132 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 195266 | \$222.00 |
| CR2200 | 2,200 g | 1 g | 1 g | ± 1 g | 5 × 5.2 in (127 × 132 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 195267 | \$222.00 |
| CR5200 | 5,200 g | 1 g | 1 g | ± 1 g | 5 × 5.2 in (127 × 132 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 195268 | \$300.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|----------------|----------|
| 194615 | 30467987 | Power adapter | \$68.00 |
| 195254 | 30467763 | Carrying case | \$114.00 |
| 70434 | 80850075 | Bowl, 1,050 mL | \$74.00 |



TOPLOADER YA Series

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

Calibration:
External

Est. Weight:
0.3 lb

Warranty:
One-year limited

Return Policy:
OHAUS standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Pan Size | Dimensions | Part # | List Price |
|-------|----------|-------------|---------------|------------------------------|---|--------|------------|
| YA102 | 100 g | 0.01 g | 0.01 g | 2.8 × 2.0 in (71 × 51 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 103106 | \$201.00 |
| YA302 | 300 g | 0.05 g | 0.05 g | 2.8 × 2.0 in (71 × 51 mm) | 5.5 × 8.1 × 1.6 in (140 × 206 × 41 mm) | 103107 | \$180.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|---------|--|---------|
| 33454 | 4590-30 | Black scoop, aluminum 4 × 3.5 in (10.2 × 8.9 cm), weight 24 g | \$78.00 |



Valor® 1000 Series

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 VDC 500 mA)
Four D Cell alkaline batteries (not included)

Stabilization Time:

Approx. 1.5 seconds

Battery Life:

1,500 hours (with/without backlight on)

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

Temperature:

Operating:
32 °F to 104 °F (0 °C to 40 °C)

Humidity:

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)

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 (190 × 250 mm) | 10.1 × 11 × 4.8 in (256 × 280 × 121 mm) | 205019 | \$390.00 |
| V12P6 | 6 kg | 1 g | 7.5 × 9.8 in (190 × 250 mm) | 10.1 × 11 × 4.8 in (256 × 280 × 121 mm) | 205020 | \$390.00 |
| V12P15 | 15 kg | 2 g | 7.5 × 9.8 in (190 × 250 mm) | 10.1 × 11 × 4.8 in (256 × 280 × 121 mm) | 205021 | \$390.00 |
| V12P30 | 30 kg | 5 g | 7.5 × 9.8 in (190 × 250 mm) | 10.1 × 11 × 4.8 in (256 × 280 × 121 mm) | 205023 | \$390.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|---|----------|
| 97250 | 80250400 | Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm) | \$144.00 |
| 100292 | 80250954 | Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm) | \$89.00 |



HIGH CAPACITY

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 IP54 die-cast metal bottom housing with stainless steel pan
- ENERGY STAR qualified adapter
- Underweigh hook

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 0.6 A 50/60 Hz

Stabilization Time:

Approx. 1 second

Calibration:

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

Temperature:

Operating:
14 °F to 140 °F (-10 °C to 60 °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 | 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 (377 × 311 mm) | 14.84 × 4.72 × 17.44 in (377 × 120 × 443 mm) | 157235 | \$6,990.00 |
| Ex24001 | 24,000 g | 0.1 g | ±0.1 g | ±0.2 g | 14.84 × 12.24 in (377 × 311 mm) | 14.84 × 4.72 × 17.44 in (377 × 120 × 443 mm) | 157236 | \$8,520.00 |
| Ex35001 | 35,000 g | 0.1 g | ±0.1 g | ±0.2 g | 14.84 × 12.24 in (377 × 311 mm) | 14.84 × 4.72 × 17.44 in (377 × 120 × 443 mm) | 157237 | \$9,990.00 |

Options/Accessories

| Part# | Model # | Description | Price |
|--------|----------|-------------------------------|----------|
| 157238 | 30078082 | Tower mount display | \$264.00 |
| 77712 | 80500524 | RS-232 cable, PC 25-pin to EX | \$336.00 |
| 70406 | 80500525 | RS-232 cable, PC 9-pin to EX | \$354.00 |
| 156234 | 46001724 | Multi-range AC adapter | \$90.00 |
| 156235 | 46001780 | International plug set | \$45.00 |



Triple Beam Series

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 (3.6 kg)

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 | \$522.00 |
| 710-T0 | 610 g | 0.1 g | Ø 6 in (152 mm) | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33351 | \$606.00 |
| 720-00 | 610 g | 0.1 g | - | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33352 | \$606.00 |
| 750-S0 | 610 g | 0.1 g | Ø 6 in (152 mm) | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33355 | \$300.00 |
| 760-00 | 610 g | 0.1 g | Ø 6 in (152 mm) | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33357 | \$534.00 |
| 720-S0 | 610 g | 0.1 g | - | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33353 | \$708.00 |
| 730-00 | 610 g | 0.1 g | - | 18 × 12 × 9 in (457 × 305 × 229 mm) | 33354 | \$762.00 |
| TP2611 | 2,610 g | 0.1 g | 5.8 × 5.8 in (147 × 147 mm) | 18 × 12 × 9 in (457 × 305 × 229 mm) | 103109 | \$414.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|----------|---|----------|
| 33417 | 80780011 | Rod and clamp assembly | \$126.00 |
| 33447 | 80780015 | Stainless steel scoop, 12 × 6 × 2.75 in (304 × 152 × 70 mm) footed and counterweighted for balance without tare | \$228.00 |
| 33463 | 80780017 | Vinyl dust cover | \$39.00 |
| 33414 | 80780108 | Attachment weight set, metric | \$126.00 |



MECHANICAL

Harvard Trip Series

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 pans
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 (160 × 240 × 140 mm) | 33364 | \$678.00 |
| 1550-SD | 2,000 g | 0.1 g | 6 in (152 mm) | 25 × 18 × 22 in (160 × 240 × 140 mm) | 33367 | \$468.00 |
| 1560-SD | 2,000 g | 0.1 g | 6 in (152 mm) | 25 × 18 × 22 in (160 × 240 × 140 mm) | 33368 | \$756.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|-------|----------|------------------------|----------|
| 33461 | 80850262 | Vinyl dust cover | \$39.00 |
| 33417 | 80780011 | Rod and clamp assembly | \$126.00 |



Dial-O-Gram[®] and Cent-O-Gram[®]

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 Modes:

310-00: Dial
311-00: Poise

Platform:

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

Calibration:

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

Est. Weight:

5 lb (2.3 kg)

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 | \$726.00 |
| 311-00 | 311 g | 0.01 g | 6 in (152 mm) | 33370 | \$612.00 |
| 1650-00* | 610 g | 0.1 g | 6 in (152 mm) | 33361 | \$654.00 |
| 1650-WO* | 2,610 g | 0.1 g | 6 in (152 mm) | 33362 | \$750.00 |
| 1610-00* | 610 g | 0.1 g | 6 in (152 mm) | 33360 | \$750.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|---|----------|--|----------|
| 33420 | 80780018 | Test tube kit | \$70.00 |
| 33462 | 80780005 | Vinyl dust cover | \$39.00 |
| Additional OHAUS Mechanical Balance Accessories | | | |
| 33414 | 80780108 | Metric attachment mass set | \$126.00 |
| 33454 | 80250048 | Black scoop, aluminum, 4 in × 3.5 in (102 × 89 mm) | \$78.00 |



MECHANICAL

Heavy Duty Series

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 Modes:
Poise

Platform:
11 in (279 mm)

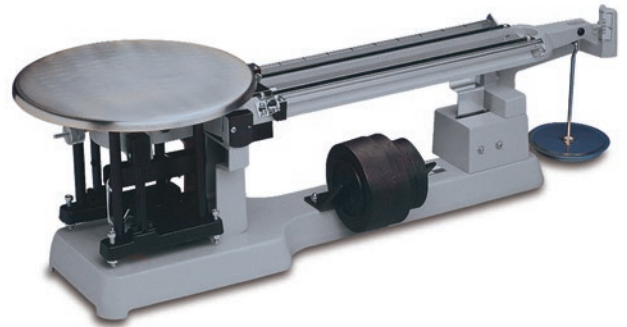
Calibrations:
Front beam: 100 × 1 g
Rear beam: 1,000 × 100 g

Est. Weight:
42 lb (19 kg)

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 | \$3,200.00 |



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%
 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 in 30 seconds to 60 minute increments
 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

Temperature:

Operating:
 110 to 90 g: 41 °F to 104 °F (5 °C to 40 °C)
 90 to 120 g: 50 °F to 104 °F (10 °C to 40 °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% 10 g sample-0.1% | 3.5 in (Ø 90 mm) | 7.5 × 6.0 × 14 in (191 × 152 × 356 mm) | 109522 | \$5,160.00 |
| 30251683 | 90 g | 0.001 g | 3 g sample-0.2% 10 g sample-0.05% | 3.5 in (Ø 90 mm) | 6.5 × 5 × 11 in (165 × 127 × 279 mm) | 178254 | \$3,825.00 |
| 30241165 | 120 g | 0.001 g | 3 g sample-0.05% 10 g sample-0.015% | 3.5 in (Ø 90 mm) | 8.3 × 7.7 × 14 in (211 × 196 × 356 mm) | 178256 | \$8,760.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|----------|-------------------------------------|------------|
| 70401 | 11113857 | Temperature calibration kit | \$1,008.00 |
| 70402 | 80850087 | Pads, glass fiber, 200/box | \$180.00 |
| 70403 | 80850086 | Sample pans, 80/box, 90 mm diameter | \$114.00 |
| 70404 | 80850088 | Reusable sample pans, 3/box | \$348.00 |
| 70406 | 80500525 | Cable, 9-pin serial extension | \$354.00 |
| 191875 | 80850043 | Security device | \$426.00 |
| 67413 | 80850080 | WinWedge® TAL Software | \$760.00 |



Cubis® II Series MCA

RICE LAKE

A&D WEIGHING

OHAUS

SARTORIUS

ACCESSORIES

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 models: Automatic glass draft shield
- F models: 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 VAC 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)

Temperature:

Operating:
 5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

30 lb

Warranty:

Ten-year limited

Return Policy:

Sartorius standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|------------------|-------------------------|----------------------------------|----------------------------|-----------|---------------------------------|--|--------|-------------|
| Cubis II | | | | | | | | |
| 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 (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195682 | \$52,321.50 |
| 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 (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195687 | \$41,140.00 |
| 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 (192 mm × 323 mm × 88 mm) Chamber Height: 0.6 in (15 mm) | 195690 | \$42,542.50 |
| MCA3.6P- 2S00-M | 1.1 g 2.1 g 3.1 g | 0.001 mg 0.002 mg 0.005 mg | 0.003 0.004 0.005 mg | 4 µg | Ø 1.2 in (30 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195692 | \$31,724.00 |
| Cubis I | | | | | | | | |
| MCA66SI-S00-3 | 61 g | 0.001 mg | 0.0015 mg 0.004 mg | 0.020 mg | 1.18 in / 1.97 in (30 mm/50 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 7.13 in (181 mm) | 223107 | \$55,302.50 |
| MCA66P-3S00-DMDS | 12 g 61 g | 0.001 mg 0.01 mg | 0.002 mg 0.010 mg | 0.020 mg | 1.18 in / 1.97 in (30 mm/50 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 7.13 in (181 mm) | 223108 | \$48,015.00 |
| MCA36S-3S00-MDS | 32 g | 0.001 mg | 0.0015 mg 0.002 mg | 0.015 mg | 1.18 in (30 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 7.13 in (181 mm) | 223109 | \$45,716.00 |
| MCA36P-3S00-MDS | 10.1 g 32 g | 0.001 mg 0.01 mg | 0.0015 mg 0.008 mg | 0.015 mg | 1.18 in (30 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 7.13 in (181 mm) | 223110 | \$39,006.00 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |



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

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 VAC 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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

30 lb

Warranty:

Ten-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 (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195680 | \$51,227.00 |
| 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 (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195686 | \$40,051.00 |
| 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 (192 mm × 323 mm × 88 mm) Chamber Height: 0.6 in (15 mm) | 195689 | \$41,453.50 |
| MCE3.6P- 2S00-M | 1.1 g 2.1 g 3.1 g | 0.001 mg 0.002 mg 0.005 mg | 0.003 mg 0.004 mg 0.005 mg | 4 µg | Ø 1.2 in (30 mm) | 7.55 × 12.72 × 3.46 in (192 mm × 323 mm × 88 mm) Chamber Height: 2.75 in (70 mm) | 195693 | \$30,629.50 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |



SEMI-MICRO

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
- Manual glass draft shield
- Underweigh hook

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 nin 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 VAC adapter auto ranging

Stabilization Time:

2 seconds

Calibration Weight:

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

30 lb

Warranty:

Ten-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 (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195698 | \$19,195.00 |
| MCA225P | 60 g 120 g 220 g | 0.01 mg 0.02 mg 0.05 mg | 0.015 mg 0.04 mg | 0.15 mg | 3.3 × 3.3 in (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195802 | \$16,720.00 |
| MCA125P | 60 g 120 g | 0.01 mg 0.1 mg | 0.015 mg 0.06 mg | 0.15 mg | 3.3 × 3.3 in (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195803 | \$12,072.50 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| 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
- Manual glass draft shield
- Underweigh hook

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 VAC adapter auto ranging

Stabilization Time:

2 seconds

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Est. Weight:

30 lb (13.6 kg)

Warranty:

Ten-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 (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in 410 × 249 × 370 mm | 195694 | \$19,580.00 |
| MCE225P | 60 g 120 g 220 g | 0.01 mg 0.02 mg 0.05 mg | 0.015 mg 0.04 mg | 0.15 mg | 3.3 × 3.3 in (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in 410 × 249 × 370 mm | 195797 | \$16,912.50 |
| MCE125P | 60 g 120 g | 0.01 mg 0.1 mg | 0.015 mg 0.06 mg | 0.15 mg | 3.3 × 3.3 in (85 × 85 mm) | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 16 × 9.8 × 14.6 in 410 × 249 × 370 mm | 195798 | \$11,880.00 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220V EU | \$50.00 |
| Consult | IP | Additional RS-232, 9-pin connection with PS2 port | Consult |



SEMI-MICRO

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 adjustment weight
- Opto-electronic leveling system
- Sqmin safety program
- Analytical draft support ring

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, mommes, Austrian carat, tola, baht, mesghal and newton

Operating Modes:

Mass unit conversion, counting, percent weighing, averaging

Display Type:

LCD

Power:

12 to 15 VDC, 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:

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

Temperature:

Operating:
5 °C to 45 °C (41 °F to 113 °F)

Humidity:

Less than 95% RH

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 |
|----------------|----------------|-------------------|--------------------|------------------|--------------------|--------------------|--|--------|-------------|
| Quintix | | | | | | | | | |
| 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 | \$8,635.00 |
| QUINTIX125D-1S | 60 g 120 g | 0.01 mg 0.1 mg | 0.04 mg 0.07 mg | 0.1 mg 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 | \$9,020.00 |
| Secura | | | | | | | | | |
| SECURA125-1S | 60 g 120 g | 0.01 mg 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 | \$9,927.50 |
| SECURA225D-1S | 120 g 220 g | 0.01 mg 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 | \$10,395.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|-----------|------------------------------|---------|
| 155847 | YCC03-D09 | Adapter cable, USB to RS-232 | \$90.20 |



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
- Manual glass draft shield
- Underweigh hook

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 VAC adapter auto ranging

Stabilization Time:

Approx. 1 second

Calibration Weight:

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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

Est. Weight:

30 lb (13.6 kg)

Warranty:

Ten-year limited

Return Policy:

Sartorius standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size | Dimensions | Part # | List Price |
|---------------------------------------|-------------------------|----------------------------|----------------------------|-----------|---|------------------------------|--|---------------|-------------|
| MCA with TFT Color Touchscreen | | | | | | | | | |
| MCA324P | 80 g 160 g 320 g | 0.1 mg 0.2 mg 0.5 mg | 0.1 mg 0.2 mg 0.4 mg | 0.5 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195805 | \$12,292.50 |
| MCA524P | 120 g 240 g 520 g | 0.1 mg 0.2 mg 0.5 mg | 0.1 mg 0.2 mg 0.5 mg | 0.5 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195804 | \$12,650.00 |
| MCA124S | 120 g | 0.1 mg | 0.1 mg | 0.2 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195702 | \$10,395.00 |
| MCA224S | 220 g | 0.1 mg | 0.07 mg | 0.2 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195701 | \$11,990.00 |
| MCA324S | 320 g | 0.1 mg | 0.1 mg | 0.3 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195700 | \$13,667.50 |
| MCA524S | 520 g | 0.1 mg | 0.1 mg | 0.4 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195699 | \$15,647.50 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| 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
- Manual glass draft shield
- Underweigh hook

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

30 lb (13.6 kg)

Warranty:

Ten-year Limited

Return Policy:

Sartorius standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Weighing Chamber | Pan Size | Dimensions | Part # | List Price |
|---------------------------------|----------|-------------|---------------|-----------|---|------------------------------|--|---------------|-------------|
| MCE with TFT Touchscreen | | | | | | | | | |
| MCE324P | 80 g | 0.1 mg | 0.1 mg | 0.5 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195801 | \$11,110.00 |
| | 160 g | 0.2 mg | 0.2 mg | | | | | | |
| | 320 g | 0.5 mg | 0.4 mg | | | | | | |
| MCE524P | 120 g | 0.1 mg | 0.1 mg | 0.5 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195800 | \$11,467.50 |
| | 240 g | 0.2 mg | 0.2 mg | | | | | | |
| | 520 g | 0.5 mg | 0.5 mg | | | | | | |
| MCE124S | 120 g | 0.1 mg | 0.1 mg | 0.2 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195697 | \$9,212.50 |
| MCE224S | 220 g | 0.1 mg | 0.07 mg | 0.2 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195696 | \$10,807.50 |
| MCE324S | 320 g | 0.1 mg | 0.1 mg | 0.3 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195695 | \$12,485.00 |
| MCE524S | 520 g | 0.1 mg | 0.1 mg | 0.4 mg | 8 × 8 × 10.2 in (205 × 205 × 261 mm) | 3.3 × 3.3 in (85 × 85 mm) | 16 × 9.8 × 14.6 in (410 × 249 × 370 mm) | 195799 | \$14,465.00 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| 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

Calibration Weight:

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

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 |
|------------|----------|-------------|---------------|-----------|-------------------|--|--------|------------|
| BCE64I-1S | 60 g | 0.1 mg | ±0.1 mg | ±0.2 mg | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in (230 × 303 × 330 mm) | 197392 | \$3,300.00 |
| BCE124I-1S | 120 g | 0.1 mg | ±0.1 mg | ±0.2 mg | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in (230 × 303 × 330 mm) | 197393 | \$3,740.00 |
| BCE224I-1S | 220 g | 0.1 mg | ±0.1 mg | ±0.2 mg | 3.5 in (90 mm) | 9.1 × 11.9 × 13 in (230 × 303 × 330 mm) | 197394 | \$4,235.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



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, mommes, 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

Temperature:

Operating:
41 °F to 104 °F (5 °C to 40 °C)

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 (525 × 495 × 400 mm) | 202468 | \$4,592.50 |
| 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 (525 × 495 × 400 mm) | 202469 | \$5,005.00 |
| BCA224I-1S | 220 g | 0.1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202471 | \$5,555.00 |
| BCA324I-1S | 320 g | 0.1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202473 | \$6,105.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



Entris® II Series Basic Essential

Standard Features

- Backlit LED touchscreen, 15 mm digits
- User-friendly operation
- Stainless steel pan
- Basic applications
- Monolithic weighing systems
- Aluminum die-cast base, ABS housing
- Front level bubble
- RS-232 connectivity
- Weigh below hook

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, mommes, Austrian carat, tola, baht, mesghal, tons, pounds, ounces, newton

Operation Modes:

Weighing, density, percentage, counting, mass unit conversion

Power:

AC adapter, 115 to 240 V, US plug

Stabilization Time:

2.5 seconds

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

Temperature:

Operating:
 41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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

Est. Weight:

13.7 lb (6.2 kg)

Warranty:

Two-year limited

Approval:

NTEP 22-017



| 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 (525 × 495 × 400 mm) | 208212 | \$3,492.50 |
| BCE224-1NUS | 220 g | 0.1 mg | 1 mg | 3.5 in (90 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208213 | \$3,932.50 |
| BCE323-1NUS | 320 g | 1 mg | 10 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208214 | \$2,046.00 |
| BCE623-1NUS | 620 g | 1 mg | 10 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208215 | \$3,025.00 |
| BCE653-1NUS | 650 g | 1 mg | 10 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208216 | \$3,300.00 |
| BCE622-1NUS | 620 g | 10 mg | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208217 | \$1,573.00 |
| BCE1202-1NUS | 1,200 g | 10 mg | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208218 | \$1,892.00 |
| BCE3202-1NUS | 3,200 g | 10 mg | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208219 | \$2,200.00 |
| BCE4202-1NUS | 4,200 g | 10 mg | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208220 | \$2,508.00 |
| BCE5201-1NUS | 5,200 g | 0.1 g | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208222 | \$1,892.00 |
| BCE6202-1NUS | 6,200 g | 10 mg | 0.1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 208221 | \$3,300.00 |
| BCE8201-1NUS | 8,200 g | 0.1 g | 1 g | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 213481 | \$2,200.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



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
- Manual glass draft shield
- Underweigh hook

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

17 lb (7.7 kg)

Warranty:

Ten-year limited

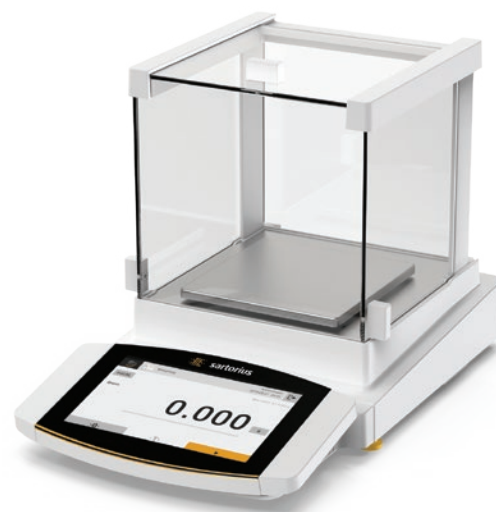
Return Policy:

Sartorius standard policy - restock fee may apply

| Model | Capacity | Readability | Repeatability | Linearity | Pan Size | Dimensions | Part # | List Price |
|----------|-------------------------------|----------------------|----------------------|-----------|--------------------------------|--|--------|-------------|
| MCA623P | 150 g 300 g 620 g | 1 mg 2 mg 5 mg | 1 mg 2 mg 4 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195811 | \$9,102.50 |
| MCA323S | 320 g | 1 mg | 0.7 mg | 2 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195716 | \$8,937.50 |
| MCA623S | 620 g | 1 mg | 0.7 mg | 2 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195715 | \$10,202.50 |
| MCA1203S | 1,200 g | 1 mg | 0.7 mg | 2 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195713 | \$12,650.00 |
| MCA2203P | 1,010 g 2,200 g | 1 mg 10 mg | 1 mg 6 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195809 | \$13,805.00 |
| MCA2203S | 2,200 g | 1 mg | 1 mg | 3 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195712 | \$14,217.50 |
| MCA3203S | 3,200 g | 1 mg | 1/6 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195711 | \$13,200.00 |
| MCA5203S | 5,200 g | 1 mg | 1 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195714 | \$16,720.00 |
| MCA5203P | 5,200 g 2,400 g 1,200 g | 5 mg 2 mg 1 mg | 1 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195810 | \$16,032.50 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| 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 |



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
- Manual glass draft shield
- Underweigh hook

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

17 lb (7.7 kg)

Warranty:

Ten-year limited

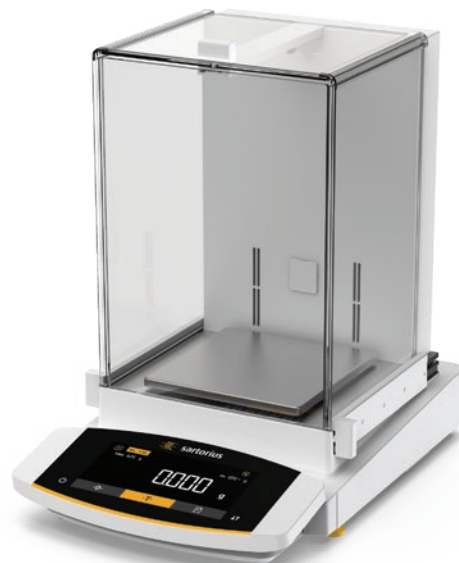
Return Policy:

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 (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195709 | \$7,782.50 |
| MCE623P | 150 g 300 g 620 g | 1 mg 2 mg 5 mg | 1/2/4 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195808 | \$7,947.50 |
| MCE623S | 620 g | 1 mg | 0.7 mg | 2 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195707 | \$9,020.00 |
| MCE5203P | 5,200 g 2,400 g 1,200 g | 5 mg 2 mg 1 mg | 1 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195807 | \$14,850.00 |
| MCE5203S | 5,200 g | 1 mg | 1 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195706 | \$15,537.50 |
| MCE1203S | 1,200 g | 1 mg | 0.7 mg | 2 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195705 | \$11,495.00 |
| MCE2203P | 1,010 g 2,200 g | 1 mg 10 mg | 1 mg 6 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195806 | \$12,650.00 |
| MCE2203S | 2,200 g | 1 mg | 1 mg | 3 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195704 | \$13,090.00 |
| MCE3203S | 3,200 g | 1 mg | 1 mg 6 mg | 5 mg | 5.5 × 5.5 in (140 × 140 mm) | 16 × 9.8 × 11 in (410 × 249 × 281 mm) | 195703 | \$13,200.00 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| 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 |



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

Calibration Weight:

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

Temperature:

Operating:
 5 °C to 40 °C (41 °F to 104 °F)

Humidity:

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

Est. Weight:

13.7 lb (6.2 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 |
|------------|----------|-------------|---------------|-----------|--------------------|---|--------|------------|
| BCE223I-1S | 220 g | 0.001 g | ±1 mg | ±2 mg | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197395 | \$2,101.00 |
| BCE323I-1S | 320 g | 0.001 g | ±1 mg | ±2 mg | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197396 | \$2,409.00 |
| BCE423I-1S | 420 g | 0.001 g | ±1 mg | ±2 mg | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197397 | \$3,025.00 |
| BCE623I-1S | 620 g | 0.001 g | ±1 mg | ±2 mg | 4.7 in (120 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197398 | \$3,300.00 |
| BCE653I-1S | 650 g | 0.001 g | ±1 mg | ±2 mg | 4.7 in (120 mm) | 9.1 × 11.9 × 3.4 in (230 × 303 × 87 mm) | 197400 | \$3,602.50 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



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:

BCA2231-1S: 2.5 seconds
 BCA3231-1S: 1.1 seconds
 BCA4231-1S, BCA6231-1S: 1.0 seconds
 BCA12031-1S: 1.5 seconds

Calibration Weight:

BCA2231-1S, BCA3231-1S: 200 g
 BCA4231-1S, BCA6231-1S, BCA12031-1S: 500 g

Temperature:

Operating:
 41 °F to 104 °F (5 °C to 40 °C)

Humidity:

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

Est. Weight:

BCA2231-1S, BCA3231-1S,
 BCA4231-1S: 13.7 lb (6.2 kg)
 BCA6231-1S: 13.9 lb (6.3 kg)
 BCA12031-1S: 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 |
|-------------|----------|-------------|---------------|-----------|--------------------|--|---------------|------------|
| BCA2231-1S | 220 g | 1 mg | ±0.1 mg | ±0.2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202470 | \$2,942.50 |
| BCA3231-1S | 320 g | 1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202472 | \$3,190.00 |
| BCA4231-1S | 420 g | 1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202474 | \$3,492.50 |
| BCA6231-1S | 620 g | 1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202475 | \$4,152.50 |
| BCA12031-1S | 1,200 g | 1 mg | ±1 mg | ±2 mg | 4.7 in (120 mm) | 20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm) | 202478 | \$5,555.00 |

Options/Accessories

| Part# | Model # | Description | Price |
|---------------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



TOPLOADER

Cubis® II Series MCA

Standard Features

- Large, high-end, 7 in color touchscreen TFT display in 16:9 format
- 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
- Choice of display
- Underweigh hook

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

21 lb (9.5 kg)

Warranty:

Ten-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 (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195733 | \$7,095.00 |
| MCA2202S | 2,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195732 | \$7,755.00 |
| MCA4202S | 4,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195731 | \$8,360.00 |
| MCA5201S | 5,200 g | 100 mg | 50 mg | 100 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195736 | \$6,105.00 |
| MCA5202s | 5,200 g | 0.01 g | 0.006 g | 0.01 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195820 | \$10,285.00 |
| MCA6202P | 1,500 g 3,000 g 6,200 g | 10 mg 20 mg 50 mg | 7 mg 20 mg 40 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195818 | \$8,635.00 |
| MCA6202S | 6,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195730 | \$9,460.00 |
| MCA8201S | 8,200 g | 100 mg | 50 mg | 100 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195735 | \$7,837.50 |
| MCA8202S | 8,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195729 | \$10,560.00 |
| MCA10202S | 10,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195728 | \$12,017.50 |
| MCA12201S | 12,200 g | 100 mg | 50 mg | 200 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195734 | \$8,552.50 |
| MCA14202S | 14,200 g | 0.01 g | 0.01 g | 0.03 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195727 | \$14,492.50 |
| MCA14202P | 3,500 g 7,000 g 14,200 g | 0.01 g 0.02 g 0.05 g | 0.05 g | 0.05 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195817 | \$12,677.50 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220V EU | \$50.00 |
| 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

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Est. Weight:

21 lb (9.5 kg)

Warranty:

Ten-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 (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195723 | \$5,940.00 |
| MCE2202S | 2,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195722 | \$6,572.50 |
| MCE4202S | 4,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195721 | \$7,232.50 |
| MCE5201S | 5,200 g | 100 mg | 50 mg | 100 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195726 | \$4,922.50 |
| MCE5202S | 5,200 g | 0.01 g | 0.006 g | 0.01 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195816 | \$9,102.50 |
| MCE6202P | 1,500 g 3,000 g 6,200 g | 10 mg 20 mg 50 mg | 7 mg 20 mg 40 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195815 | \$7,452.50 |
| MCE6202S | 6,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195720 | \$8,305.00 |
| MCE8201S | 8,200 g | 100 mg | 50 mg | 100 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195725 | \$6,655.00 |
| MCE8202S | 8,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195719 | \$9,377.50 |
| MCE10202S | 10,200 g | 10 mg | 7 mg | 20 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195718 | \$10,862.50 |
| MCE12201S | 12,200 g | 100 mg | 50 mg | 200 mg | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195724 | \$7,370.00 |
| MCE14202s | 14,200 g | 0.01 g | 0.01 g | 0.03 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195717 | \$13,310.00 |
| MCE14202P | 3,500 g 7,000 g 14,200 g | 0.01 g 0.02 g 0.05 g | 0.01 g 0.02 g 0.01 g | 0.05 g | 8.1 × 8.1 in (206 × 206 mm) | 16 × 9.8 × 3.5 in (410 × 249 × 88 mm) | 195812 | \$11,495.00 |

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 | \$308.00 |
| 156908 | 6900900 | Cord, power 220 V EU | \$50.00 |
| Consult | IP | Additional RS-232, 9-pin connection with PS/2 port (factory installed) | Consult |



TOPLOADER

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

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

Temperature:

Operating:
5 °C to 40 °C (41 °F to 104 °F)

Humidity:

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

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 | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 13 in (230 × 303 × 330 mm) | 197399 | \$1,947.00 |
| BCE822II-1S | 820 g | 0.01 g | ±1 mg | ±2 mg | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197401 | \$2,101.00 |
| BCE1202I-1S | 1,200 g | 0.01 g | ±1 mg | ±2 mg | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197402 | \$2,255.00 |
| BCE2202I-1S | 2,200 g | 0.01 g | ±1 mg | ±2 mg | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197403 | \$2,409.00 |
| BCE2201I-1S | 2,200 g | 0.1 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197404 | \$2,101.00 |
| BCE3202I-1S | 3,200 g | 0.01 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197405 | \$2,552.00 |
| BCE4202I-1S | 4,200 g | 0.01 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197406 | \$2,860.00 |
| BCE5201I-1S | 5,200 g | 0.1 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197407 | \$2,255.00 |
| BCE6202I-1S | 6,200 g | 0.01 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197408 | \$3,602.50 |
| BCE6200I-1S | 6,200 g | 1.0 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197409 | \$2,101.00 |
| BCE8201I-1S | 8,200 g | 0.1 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197410 | \$2,552.00 |
| BCE8200I-1S | 8,200 g | 1.0 g | ±0.1 g | ±0.3 g | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 9.1 × 11.9 × 5.4 in (230 × 303 × 136 mm) | 197411 | \$2,255.00 |

Options/Accessories

| Part # | Model # | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



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:

1.5 seconds

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

Temperature:

Operating:
 5 °C to 40 °C (41 °F to 104 °F)

Humidity:

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

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 | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202476 | \$2,640.00 |
| BCA12021-1S | 1,200 g | 10 mg | ±1 mg | ±2 mg | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202477 | \$2,942.50 |
| BCA22011-1S | 2,200 g | 0.1 g | ±1 mg | ±2 mg | 7.1 × 7.1 × 3.6 in (180 × 180 × 91 mm) | 17.72 × 9.84 × 13.78 in (45 × 25 × 35 cm) | 202479 | \$2,497.00 |
| BCA22021-1S | 2,200 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) | 202480 | \$3,190.00 |
| BCA32021-1S | 3,200 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) | 202481 | \$3,492.50 |
| 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 | \$2,600.00 |
| 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 | \$2,805.00 |
| 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 | \$5,005.00 |
| 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 | \$3,327.50 |
| 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 | \$5,005.00 |
| 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 | \$5,280.00 |

Options/Accessories

| Part# | Model# | Description | Price |
|--------|------------|---|------------|
| 112261 | YDP20-OCE | Data printer (printer requires power supply part number 191429) | \$1,700.00 |
| 31103 | 6906937 | Paper rolls, one roll | \$89.10 |
| 31106 | 6906918 | Ink ribbon cassette | \$126.50 |
| 201911 | YCC-D09MF | Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer) | \$100.10 |
| 204042 | YEPS01-PS8 | Replacement AC adapter with interchangeable plugs (included with Entris II) | \$72.60 |
| 191429 | YEPS01-PS4 | AC adapter with interchangeable plugs (for use with YDP20-OCE printer) | \$79.20 |



MOISTURE ANALYZER

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 Modes:

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

Temperature:

Operating:
10 °C to 30 °C (50 °F to 86 °F)
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 $>1 \pm 0.2\%$; for initial sample weight $>5 \pm 0.05\%$ | 3.5 in (90 mm) | 8.8 × 14.4 × 7.5 in (224 × 366 × 191 mm) | 191983 | \$3,932.50 |
| MA37 | 70 g | 0.001 g | For initial sample weight approx $>1 \pm 0.2\%$; for initial sample weight $>5 \pm 0.05\%$ | 3.5 in (90 mm) | 8.5 × 15.7 × 8.3 in (215 × 400 × 210 mm) | 165963 | \$5,500.00 |
| MA160 | 200 g | 0.01 g | For initial sample weight approx $>1 \pm 0.2\%$; for initial sample weight $>5 \pm 0.05\%$ | 3.5 in (90 mm) | 8.5 × 15.7 × 8.3 in (215 × 400 × 210 mm) | 165964 | \$6,902.50 |



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 adapter scale cable or connector
- Bluetooth® version allows connection to devices such as iPad® or Android® tablets and 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 Out:
Pin 2: RX
Pin 3: TX
Pin 5: Ground USB-A

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 | \$12.50 |
| 22436 | Blunt-end to DB9 female, straight cable | \$70.00 |
| 50749 | DB9 female to DB9 female | \$60.00 |
| 130789 | Null model DB9 adapter female to male | \$14.50 |



DATA CAPTURE AND STORAGE

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, 2 A
- 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 5 VDC 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 | \$14.50 |
| 119064 | Null modem adapter, DB9 F/F | \$12.50 |
| 50764 | Straight cable, DB9 F/F | \$72.00 |
| 66535 | Null modem DB9 F/F | \$48.00 |
| 22436 | DB9 cable to blunt end | \$70.00 |
| 15493 | Cable four-conductor | \$1.65/ft |



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 |
|--|------------------------|----------|
| Standard Balance Slab, Kasota Stone | | |
| 83779 | 15 × 20 × 3 in, 100 lb | \$475.00 |

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 |
|---|-------------------------|------------|
| Standard Balance Table, Kasota Stone | | |
| 83778 | 24 × 35 × 32 in, 700 lb | \$1,260.00 |

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).

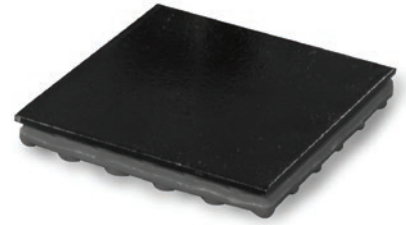
Part Number/Price

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

Anti-Vibration Pad

Standard Features

- Balance slabs
- Balance tables
- Anti-vibration



Part Number/Price

| Part # | Description | Price |
|---------------------------|---------------------------------------|---------|
| Anti-Vibration Pad | | |
| 75263 | Anti-vibration pad 4 × 4 1/2 in-thick | \$17.75 |

Scoops

Standard Features

- Aluminum
- Polypropylene
- Stainless steel



PN 33447

Part Number/Price

| Part # | Description | Price |
|--------------|---|----------|
| 33447 | Stainless steel, 12 × 6 × 2.75 in (304 × 152 × 70 mm) | \$228.00 |
| 33454 | Black, aluminum 4.0 × 3.5 in (102 × 89 mm) | \$78.00 |
| 97250 | Stainless steel scoop 11.9 × 7.4 × 1.7 in | \$144.00 |



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

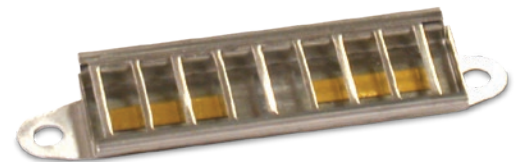
The box must be clearly marked with "UN2911" on the outside, so NRD knows what to do with them. An RMA is not required, and there is no charge for a recycling fee.



1 in Static Brush



3 in Static Brush



1 x 3 in Ionizing Strip



1 x 1 in Ionizing Strip



Stand Ionizer

STATIC BRUSHES, IONIZING STRIPS AND ACCESSORIES

Static Control

Ionizers

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|----------------------|------------|
| 164648 | 4068 | Mini-fan ionizer | \$194.00 |
| 164649 | 6105 | I-beam stand ionizer | \$1,233.00 |

Static Brushes - 1 inch

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|-----------------------|----------|
| 76669 | 1C200 | Static brush, 1 in | \$194.00 |
| 76670 | 1C200R | Replacement cartridge | \$125.00 |

Static Brushes - 3 inch

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|-----------------------|----------|
| 76671 | 3C500 | Static brush, 3 in | \$294.00 |
| 76672 | 3C500R | Replacement cartridge | \$198.00 |

Ionizing Strips - 1 inch

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|---------------------|----------|
| 76677 | 1U400 | Ionizing unit, 1 in | \$217.00 |
| 76678 | 1U200 | Ionizing unit, 1 in | \$125.00 |

Ionizing Strips - 3 inch

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|-------------------------|----------|
| 76676 | 2U500 | Ionizing unit, 1 × 3 in | \$228.00 |

Ionizing Strip Accessories

| Part # | Staticmaster Part # | Description | Price |
|--------|---------------------|--|----------|
| 76679 | BF1 | Ionizer positioner | \$131.00 |
| 76680 | BF2 | Ionizer positioner only - C bracket | \$147.00 |
| 163601 | BF3 | EZ-Mount, 2U500 BF3 option mounts 2U500 to balance chamber | \$22.00 |
| 163602 | 5060 | Grounding kit, 2U500 5060 enhances static eliminating power Staticmaster 2U500 | \$45.00 |



Mini-fan Ionizer

10 Reference

