

# Balances

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# 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

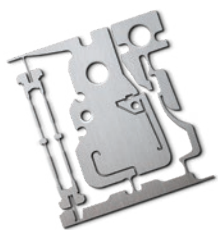
### Return Policy:

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

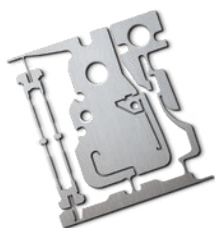


Measurement  
Canada  
Approved

Model	Capacity	Resolution	NTEP Resolution	Pan Size	Weighing Chamber	Dimensions	Part #	List Price
<b>NTEP Certified Only</b>								
<b>TE-223</b>	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)	<b>187600</b>	\$1,135.00
<b>TE-623</b>	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)	<b>186030</b>	\$1,445.00
<b>TE-3202</b>	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)	<b>186035</b>	\$1,240.00
<b>TE-6202</b>	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)	<b>186036</b>	\$1,342.00
<b>TE-15001</b>	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)	<b>186037</b>	\$1,230.00
<b>NTEP Certified and Measurement Canada Approved</b>								
<b>TE-322NC</b>	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)	<b>204688</b>	\$1,200.00
<b>TE-1501NC</b>	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)	<b>204689</b>	\$1,310.00
<b>TE-8200NC</b>	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)	<b>204690</b>	\$1,310.00

## Options/Accessories

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



MMTS technology 50 times more sensitive than a load cell.



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# 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

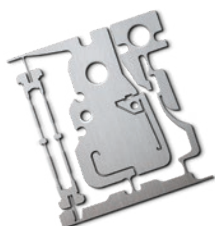
### Return Policy:

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



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# 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



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# 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.





# Equipoise® Series

## 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



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# 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	\$7,425.00
MC-6100	6,100 g	0.001 g	0.004 g / 5 kg / 0.0015 g / 2 kg	±0.02 g	5.79 × 5.79 in (147 × 147 mm)	10.63 × 8.27 in (270 × 210 mm)	151263	\$7,425.00
MC-10K	10.1 kg	0.001 g	0.005 g / 10 kg / 0.004 g / 5 kg	±0.03 g	10.63 × 8.27 in (270 × 210 mm)	11.81 × 13.80 × 4.37 in (300 × 355 × 111 mm)	151264	\$8,900.00
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	\$8,900.00

## Options/Accessories

Part #	Model #	Description	Price
151266	AX-MC1000PAN	Auto center pan, MC-1000S	\$1,390.00
151267	AX-MC6100PAN	Auto center pan, MC-6100	\$1,390.00
151268	AX-MC10K-30KPAN	Auto center pan, MC-10/30K	\$1,770.00
151247	AD-1688	Data logger	\$370.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00
97695*	GX-04	Comparator output, factory installed	\$960.00
97696*	GX-06	Analog output, factory installed	\$1,010.00
97699	GX-12	Animal weigh pan	\$205.00
97700	GX-13	Density determination for MC-1000S	\$695.00
97607	AD-1682	External rechargeable battery pack	\$815.00
97612	SW-128	Foot switch	\$100.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

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





# 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
<b>BM-20</b>	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)	<b>150762</b>	\$19,525.00
<b>BM-22</b>	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)	<b>150763</b>	\$18,550.00
<b>BM-252</b>	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)	<b>150765</b>	\$9,875.00

## Options/Accessories

Part #	Model #	Description	Price
<b>150769</b>	BM-08	Balance OPT, Ethernet BM	\$350.00
<b>97606</b>	AD-1653	Density determination kit (BM-252/200/300/500 only)	\$675.00
<b>97609</b>	AD-8922A	Remote controller	\$765.00
<b>97608</b>	AD-8920A	Universal remote display	\$325.00
<b>97612</b>	SW:128	Foot switch	\$100.00
<b>97649</b>	TB:648	AC adapter (120 V/220 V)	\$53.00
<b>196128</b>	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00



**BALANCES  
A&D WEIGHING**



# Phoenix GH Series

## Standard Features

- Simple and easy to operate, adapts to your environment
- GLP/GMP/GCP/ISO compliant which outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Internal 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	\$6,100.00
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	\$6,700.00

## Options/Accessories

Part #	Model #	Description	Price
97604	GH-08	Ethernet option for GH	\$350.00
97605	AD-100-2	Anti-theft device	\$90.00
97606	AD-1653	Density determination kit	\$675.00
97607	AD-1682	Rechargeable battery pack, external	\$815.00
97608	AD-8920A	Universal remote display	\$325.00
97609	AD-8922A	Remote controller	\$765.00
97610	AD-1683	Static eliminator	\$1,440.00
151247	AD-1688	Data logger	\$370.00
97612	SW-128	Foot switch	\$100.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00





# Gemini GR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Easy-access door system
- Automatic self-calibration
- Data memory function
- Weighing chamber
- 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	\$5,625.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97605	AD-100-2	Anti-theft device	\$90.00
97606	AD-1653	Density determination kit	\$675.00
97607	AD-1682	Rechargeable battery pack	\$815.00
97608	AD-8920A	Universal remote display	\$325.00
97609	AD-8922A	Remote controller	\$765.00
97610	AD-1683	Static eliminator	\$1,440.00
97612	SW-128	Foot switch	\$100.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00



BALANCES  
A&D WEIGHING



# 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
<b>BM-200</b>	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)	<b>150766</b>	\$5,250.00
<b>BM-300</b>	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)	<b>150767</b>	\$5,475.00
<b>BM-500</b>	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)	<b>150768</b>	\$7,625.00

## Options/Accessories

Part #	Model #	Description	Price
<b>150769</b>	BM-08	Balance OPT, Ethernet BM	\$350.00
<b>97606</b>	AD-1653	Density determination kit	\$675.00
<b>97609</b>	AD-8922A	Remote controller	\$765.00
<b>97608</b>	AD-8920A	Universal remote display	\$325.00
<b>97612</b>	SW:128	Foot switch	\$100.00
<b>97649</b>	TB:648	AC adapter (120 V/220 V)	\$53.00
<b>196128</b>	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00





# 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	\$4,050.00
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	\$4,575.00
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	\$5,425.00

## Options/Accessories

Part #	Model #	Description	Price
97604	GH-08	Ethernet option	\$350.00
97605	AD-100-2	Anti-theft device	\$90.00
97606	AD-1653	Density determination kit	\$675.00
97607	AD-1682	Rechargeable battery pack, external	\$815.00
97608	AD-8920A	Universal remote display	\$325.00
97609	AD-8922A	Remote controller	\$765.00
97610	AD-1683	Static eliminator	\$1,440.00
151247	AD-1688	Data logger	\$370.00
97612	SW-128	Foot switch	\$100.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00



BALANCES  
A&D WEIGHING



# Gemini GR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Easy-access door system
- Automatic self-calibration
- Data memory function
- Weighing chamber
- 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	\$3,500.00
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	\$3,975.00
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	\$4,950.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97605	AD-100-2	Anti-theft device	\$90.00
97606	AD-1653	Density determination kit	\$675.00
97607	AD-1682	Rechargeable battery pack	\$815.00
97608	AD-8920A	Universal remote display	\$325.00
97609	AD-8922A	Remote controller	\$765.00
97610	AD-1683	Static eliminator	\$1,440.00
97612	SW:128	Foot switch	\$100.00
97649	TB:648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00





# 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	\$2,090.00
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	\$2,575.00
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	\$2,200.00
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	\$2,700.00
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	\$2,400.00
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	\$2,875.00

## Options/Accessories

Part#	A&D Model #	Description	Price
151247	AD-1688	Data logger	\$370.00
98027*	FXi-02	Quick USB interface with cable	\$105.00
98028*	FXi-08	Ethernet interface with WinCT Plus	\$350.00
98029*	FXi-09	Rechargeable battery	\$390.00
97649	TB:648	AC adapter (120 V/220 V)	\$53.00

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



BALANCES  
A&D WEIGHING



# Orion HR Series

## Standard Features

- GLP/GMP/GCP/ISO compliant software outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- System diagnostics to alert the operator of abnormal weighing conditions
- RS-232C bidirectional interface (option for HR-60, HR-120 and HR-200; standard for HR-300i and HR-202i)
- Weighing chamber
- 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)	<b>97642</b>	\$4,185.00

## Options/Accessories

Part #	A&D Model #	Description	Price
<b>97605</b>	AD-100-2	Anti-theft device	\$90.00
<b>97606</b>	AD-1653	Density determination kit	\$675.00
<b>97607</b>	AD-1682	Rechargeable battery pack	\$815.00
<b>97608</b>	AD-8920A	Universal remote display	\$325.00
<b>97610</b>	AD-1683	Static eliminator	\$1,440.00
<b>97609</b>	AD-8922A	Remote controller	\$765.00
<b>97649</b>	TB:648	AC adapter (120 V/220 V)	\$53.00
<b>151247</b>	AD-1688	Data logger	\$370.00
<b>196128</b>	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00





# 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	\$6,500.00
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	\$10,050.00
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	\$7,700.00
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	\$8,550.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97672	AD-4212A-01	BCD output (factory installed, four month lead time)	\$615.00
97674	AD-4212A-07	Extension cable, 3 m	\$180.00
97675	AD-4212A-08	Ethernet interface with WinCT	\$350.00
97676	AD-4212A-19	Stainless steel breeze break (200 g only)	\$130.00





# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- 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	\$2,775.00
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	\$3,025.00
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	\$3,575.00

## Options/Accessories

Part #	A&D Model #	Description	Price
192662	GXA-03	RS-232C interface (D-sub 9-pin male)	\$275.00
192663	GXA-04	Comparator output (requires 192667)	\$260.00
192667	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
192671	GXA-06	Analog output (includes 192673)	\$260.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
192675	GXA-10	Large glass breeze break	\$385.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$1,670.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	\$245.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
192682	GXA-24	USB host interface (USB A type)	\$130.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$960.00
192684	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00



Apollo GF-324A



# Apollo GX Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- Internal 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
<b>GX-124A</b>	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>	<b>200330</b>	\$3,300.00
<b>GX-124AE</b>	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>	<b>200334</b>	\$4,625.00
<b>GX-224A</b>	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>	<b>200332</b>	\$3,550.00
<b>GX-224AE</b>	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>	<b>200335</b>	\$4,825.00
<b>GX-324A</b>	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>	<b>200333</b>	\$3,975.00
<b>GX-324AE</b>	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>	<b>200336</b>	\$5,175.00

## Options/Accessories

Part #	A&D Model #	Description	Price
<b>192662</b>	GXA-03	RS-232C Interface (D-sub 9-pin male)	\$275.00
<b>192663</b>	GXA-04	Comparator output (requires 192667)	\$260.00
<b>192667</b>	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
<b>192671</b>	GXA-06	Analog output (includes 192673)	\$260.00
<b>192674</b>	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
<b>192675</b>	GXA-10	Large glass breeze break	\$385.00
<b>192676</b>	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
<b>192677</b>	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
<b>192679</b>	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
<b>192680</b>	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	\$245.00
<b>192681</b>	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
<b>192682</b>	GXA-24	USB host interface (USB A type)	\$130.00
<b>192683</b>	GXA-25	External fanless ionizer (static eliminator)	\$960.00
<b>192684</b>	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00



**BALANCES  
A&D WEIGHING**



# GF-P Series

## Standard Features

- Pill-counting feature also complies with Handbook 44 requirements
- Fast, Super Hybrid Sensor (SHS) gives you the ultimate in response speed; just one second
- GLP/GMP/ISO compliance
- WinCT 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	\$1,600.00
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	\$1,900.00

## Options/Accessories

Part#	A&D Model#	Description	Price
102891	GX-02	USB option	\$180.00
97697	GX-10	Glass breeze break for GF-200 and 300	\$325.00
97703	AX:073003691-S	Protective in-use cover for GF-200/300 (each)	\$26.50
97649	TB:648	AC adapter (120 V/220 V) standard with unit	\$53.00





# 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:

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
<b>NTEP Certified</b>								
<b>FX-1200iN</b>	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)	<b>163641</b>	\$1,340.00
<b>Measurement Canada Approved</b>								
<b>FX-300iNC</b>	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)	<b>168077</b>	\$1,420.00
<b>FX-1200iNC</b>	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)	<b>168076</b>	\$1,340.00

## Options/Accessories

Part #	A&D Model #	Description	Price
<b>98027*</b>	FXi-02	Quick USB interface	\$105.00
<b>98028*</b>	FXi-08	Ethernet interface with WinCT Plus software	\$350.00
<b>98029*</b>	FXi-09	Built-in rechargeable battery	\$390.00
<b>98030</b>	FXi-10	Small breeze break	\$95.00
<b>98031</b>	FXi-11	Large breeze break	\$160.00
<b>97649</b>	TB:648	AC adapter (120 V/220 V)	\$53.00
<b>151247</b>	AD-1688	Data logger	\$370.00
<b>196128</b>	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

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



**BALANCES  
A&D WEIGHING**



# EK-i Series

## Standard Features

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

## Specifications

### Weighing Units:

Carat, pennyweight, troy ounce, newton, decimal ounce, decimal pound

### Operating Modes:

Counting, percentage

### Power:

120 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	\$620.00
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	\$615.00
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	\$665.00
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	\$840.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97760	EKW-04i	Comparator/relay outputs/buzzer	\$200.00
97761	EKW-07i	Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki	\$63.00
97762	EKW-09i	NiCad battery pack	\$255.00
97764	AX:3005824-5S	Protective dust cover (not in use)	\$15.75
97605	AD-100-2	Anti-theft device	\$90.00
97766	TB:662	AC adapter (120 V)	\$47.50
97767	TB:164	AC adapter (240 V)	\$69.00
151247	AD-1688	Data logger	\$370.00





# 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	\$500.00
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	\$500.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97760	EKW-04i	Comparator/relay outputs/buzzer	\$200.00
97761	EKW-07i	Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki	\$63.00
97762	EKW-09i	NiCad battery pack	\$255.00
97764	AX:3005824-5S	Protective dust cover (not in use)	\$15.75
97605	AD-100-2	Anti-theft device	\$90.00
97766	TB:662	AC adapter (120 V)	\$47.50
97767	TB:164	AC adapter (240 V)	\$69.00
151247	AD-1688	Data logger	\$370.00



EW-1500i square pan



# 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	\$1,950.00
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	\$2,160.00
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	\$2,290.00
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	\$3,000.00
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	\$3,450.00
GX-1603A	1,620 g	0.001 g	0.001 g	±0.003 g	3 in (85 mm)	5 × 5 in (128 × 128 mm)	8.3 × 12.5 × 3.7 in (212 × 317 × 93 mm)	191696	\$3,925.00

## Options/Accessories

Part #	A&D Model #	Description	Price
192662	GXA-03	RS-232C interface (D-sub 9-pin male)	\$275.00
192663	GXA-04	Comparator output (requires 192667)	\$260.00
192667	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
192671	GXA-06	Analog output	\$260.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
192675	GXA-10	Large glass breeze break	\$385.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$1,670.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	\$245.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
192682	GXA-24	USB host interface (USB A type)	\$130.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$960.00
192684	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00





# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- 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	\$1,580.00
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	\$1,780.00
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	\$1,930.00
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	\$2,270.00
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	\$2,725.00
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	\$3,525.00

## Options/Accessories

Part#	A&D Model#	Description	Price
192662	GXA-03	RS-232C interface (D-sub 9-pin male)	\$275.00
192663	GXA-04	Comparator output (requires 192667)	\$260.00
192667	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
192671	GXA-06	Analog output	\$260.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
192675	GXA-10	Large glass breeze break	\$385.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$1,670.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	\$245.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
192682	GXA-24	USB host interface (USB A type)	\$130.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$960.00
192684	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00



Apollo GF-1003A

BALANCES  
A&D WEIGHING



# FX-iWP Series Washdown

## Standard Features

- Washdown IP65 rating
- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- 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	\$1,660.00
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	\$1,740.00
FX-300iWP	320 g	0.001 g	0.001 g	±0.002 g	Ø 5.12 in (130 mm)	6 × 10.3 × 3.3 in (193 × 263 × 85 mm)	102907	\$1,860.00

## Options/Accessories

Part #	A&D Model #	Description	Price
98027*	FXi-02	Quick USB interface	\$105.00
98028*	FXi-08	Ethernet interface with WinCT Plus software	\$350.00
98029*	FXi-09	Built-in rechargeable battery	\$390.00
98030	FXi-10	Small breeze break	\$95.00
98031	FXi-11	Large breeze break	\$160.00
97649	TB:648	AC adapter (120 V/220 V)	\$53.00

\*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	\$1,260.00
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	\$1,310.00
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	\$1,360.00

## Options/Accessories

Part #	A&D Model #	Description	Price
98027*	FXi-02	Quick USB interface	\$105.00
98028*	FXi-08	Ethernet interface with WinCT Plus software	\$350.00
98029*	FXi-09	Built-in rechargeable battery	\$390.00
98030	FXi-10	Small breeze break	\$95.00
98031	FXi-11	Large breeze break	\$160.00
97649	TB:648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

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





# 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	\$5,725.00
AD-4212A-600	610 g	1 mg	1 mg	±3 mg	2.8 × 2.8 in (70 × 70 mm)	3.2 × 9.1 × 3.5 in (80 × 230 × 90 mm)	97656	\$6,300.00
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	\$6,550.00

## Options/Accessories

Part#	A&D Model#	Description	Price
97672	AD-4212A-01	BCD output (factory installed, four month lead time)	\$615.00
97674	AD-4212A-07	Extension cable, 3 m	\$180.00
97675	AD-4212A-08	Ethernet interface with WinCT	\$350.00
97676	AD-4212A-19	Stainless steel breeze break (200 g only)	\$130.00





# 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	\$1,290.00
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	\$1,350.00
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	\$1,410.00

## Options/Accessories

Part #	A&D Model #	Description	Price
98027*	FXi-02	Quick USB interface	\$105.00
98028*	FXi-08	Ethernet interface with WinCT Plus software	\$350.00
98029*	FXi-09	Built-in rechargeable battery	\$390.00
98030	FXi-10	Small breeze break	\$95.00
98031	FXi-11	Large breeze break	\$160.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

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



BALANCES  
A&D WEIGHING



# Apollo GX Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- Internal 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 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	\$2,160.00
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	\$2,575.00
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	\$2,700.00
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	\$2,390.00
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	\$3,150.00
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	\$2,360.00
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	\$4,225.00

## Options/Accessories

Part#	A&D Model#	Description	Price
192662	GXA-03	RS-232C Interface (D-sub 9-pin male)	\$275.00
192663	GXA-04	Comparator output (requires 192667)	\$260.00
192667	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
192671	GXA-06	Analog output (includes 192673)	\$260.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$1,670.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERO foot switch	\$245.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
192682	GXA-24	USB host interface (USB A type)	\$130.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$960.00
192684	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00



Apollo GX-3002A



# Apollo GF Series

## Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232 interface for connecting to printer or PC
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- 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	\$1,600.00
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	\$1,640.00
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	\$1,700.00
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	\$2,180.00
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	\$2,675.00
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	\$1,810.00
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	\$1,890.00
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	\$3,275.00

## Options/Accessories

Part #	A&D Model #	Description	Price
192662	GXA-03	RS-232C interface (D-sub 9-pin male)	\$275.00
192663	GXA-04	Comparator output (requires 192667)	\$260.00
192667	AX-K05692	MiniDIN 8-pin male for GXA-04	\$45.00
192671	GXA-06	Analog output (includes 192673)	\$260.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$545.00
192675	GXA-10	Large glass breeze break	\$385.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$175.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$595.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$1,670.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$250.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	\$245.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$245.00
192682	GXA-24	USB host interface (USB A type)	\$130.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$960.00
192684	GXA-26	External IR switch (MiniDIN 4-pin male)	\$205.00



Apollo GF-3002A

BALANCES  
A&D WEIGHING



# FX-iWP Series Washdown

## Standard Features

- Washdown IP65 rating
- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data.
- RS-232 interface for connecting to printer or PC
- Response indicator function
- 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	\$1,650.00
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	\$1,740.00
FX-3000iWP	3,200 g	0.01 g	0.01 g	±0.02 g	Ø 5.90 in (150 mm)	6 × 10.3 × 3.3 in (193 × 263 × 85 mm)	102910	\$1,850.00

## Options/Accessories

Part#	A&D Model#	Description	Price
98027*	FXi-02	Quick USB interface	\$105.00
98028*	FXi-08	Ethernet interface with WinCT Plus software	\$350.00
98029*	FXi-09	Built-in rechargeable battery	\$390.00
98030	FXi-10	Small breeze break	\$95.00
98031	FXi-11	Large breeze break	\$160.00
97649	TB-648	AC adapter (120 V/220 V)	\$53.00

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





# EJ Newton Series

## Standard Features

- Easy-to-read seven segment LCD display with backlight
- 10 units of measurement



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	\$590.00
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	\$310.00
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	\$390.00
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	\$460.00
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	\$500.00
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	\$650.00
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	\$310.00
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	\$380.00
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	\$465.00
EJ-4100	4,100 g	0.1 g	0.1 g	±0.2 g	5 × 5.5 in (127 × 140 mm)	7.5 × 8.6 × 2.2 in (190 × 218 × 55 mm)	112418	\$520.00
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	\$595.00

## Options/Accessories

Part #	A&D Model #	Description	Price
112426	EJ-02	USB interface with cable	\$105.00
112427	EJ-03	RS-232 interface with cable	\$95.00
112428	EJ-07	Underhook for EJ-3000, EJ-4100 and EJ-6100	\$84.00
112429	EJ-08	Underhook for EJ-1500 and EJ-2000	\$84.00
112430	EJ-11	Breeze break	\$84.00
112431	EJ-12	Carrying case	\$79.00
112432	EJ-13	Density determination kit	\$95.00
97766	TB:662	AC adapter, 120 V	\$47.50
97767	TB:164	AC adapter, 220 V	\$69.00
151247	AD-1688	Data logger	\$370.00



# 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	\$595.00
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	\$640.00
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	\$665.00
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	\$750.00
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	\$880.00
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	\$645.00
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	\$700.00
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	\$835.00
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	\$1,040.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97760	EKW-04i	Comparator/relay outputs/buzzer	\$200.00
97761	EKW-07i	Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki	\$63.00
97762	EKW-09i	NiCad battery pack	\$255.00
97764	AX:3005824-5S	Protective dust cover (not in use)	\$15.75
97605	AD-100-2	Anti-theft device	\$90.00
97766	TB:662	AC adapter (120 V)	\$47.50
97767	TB:164	AC adapter (240 V)	\$69.00
151247	AD-1688	Data logger	\$370.00





# 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	\$500.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97760	EKW-04i	Comparator/relay outputs/buzzer	\$200.00
97761	EKW-07i	Underhook for EK-4100i/6100i/6000i/12Ki/EW-12Ki	\$63.00
97762	EKW-09i	NiCad battery pack	\$255.00
97764	AX:3005824-5S	Protective dust cover (not in use)	\$15.75
97605	AD-100-2	Anti-theft device	\$90.00
97766	TB:662	AC adapter (120 V)	\$47.50
97767	TB:164	AC adapter (240 V)	\$69.00
151247	AD-1688	Data logger	\$370.00





# 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	\$4,150.00
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	\$3,625.00
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	\$4,450.00
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	\$3,775.00
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	\$4,075.00
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	\$4,700.00
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	\$3,650.00

### Options/Accessories

Part #	A&D Model #	Description	Price
207431	GX-04K*	Comparator/output and RS-232C/20 mA interface	\$515.00
207432	GX-06K*	Analog output/20 mA interface	\$605.00
97784	GX-07K**	Waterproof cable for standard RS-232C	\$370.00
102899	GXK-12	Animal weighing pan	\$995.00
102898	GXK-31	Draft shield	\$140.00
97605	AD-100-2	Anti-theft device	\$90.00
97785	AX:073007197A	Protective in-use cover	\$26.50
97649	TB:648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

\*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	\$3,950.00
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	\$3,350.00
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	\$4,250.00
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	\$3,575.00
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	\$3,800.00
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	\$4,450.00
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	\$3,350.00

## Options/Accessories

Part #	A&D Model #	Description	Price
207431	GX-04K*	Comparator/output and RS-232C/20 mA interface	\$515.00
207432	GX-06K*	Analog output/20 mA interface	\$605.00
97784	GX-07K**	Waterproof cable for standard RS-232C	\$370.00
102899	GXK-12	Animal weighing pan	\$995.00
102898	GXK-31	Draft shield	\$140.00
97605	AD-100-2	Anti-theft device	\$90.00
97785	AX:073007197A	Protective in-use cover	\$26.50
97649	TB:648	AC adapter (120 V/220 V)	\$53.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00

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

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

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



BALANCES  
A&D WEIGHING



# 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	\$4,140.00
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	\$4,565.00
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	\$3,775.00
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	\$5,040.00
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	\$6,515.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97607	AD-1682	Rechargeable battery pack	\$815.00
97608	AD-8920	Universal remote display	\$325.00
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)	\$370.00
97816	GP-20	Underhook GP-12 kg thru 40 kg	\$225.00
97817	GP-21	Underhook GP-60 kg thru 102 kg	\$225.00
97605	AD-100-2	Anti-theft device	\$90.00
97820	07:3004753	Protective in-use cover	\$31.50
97613	TB:136	AC adapter (120 V) standard with unit	\$47.50
97614	TB:137	AC adapter (220 V)	\$69.00
97609	AD-8922	Remote controller	\$765.00
102904	GP-12	Animal weighing pan	\$1,970.00
151247	AD-1688	Data logger	\$370.00
97612	SW:128	Foot switch	\$100.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00





# 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	\$1,880.00
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	\$1,990.00
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	\$2,220.00

## Options/Accessories

Part #	A&D Model #	Description	Price
177696	EJ-12	Carrying case	\$79.00
202077	AD-1611	Safe area serial output module (requires a fiber-optic cable)	\$525.00
202074	AX-KS5456-010	Fiber-optic cable (10 m)	\$360.00
202075	AX-KS5456-030	Fiber-optic cable (30 m)	\$640.00
202076	AX-KS5456-060	Fiber-optic cable (60 m)	\$940.00



EK-300AEP



EK-3000AEP

BALANCES  
A&D WEIGHING



## 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&amp;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	\$6,675.00
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	\$4,150.00
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	\$3,350.00
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	\$2,825.00

## Options/Accessories

Part #	A&D Model #	Description	Price
97824	AX-31	Sample pans (washable, 100 each)	\$120.00
97825	AX-32-2	Glass fiber sheets (100 each)	\$63.00
97826	AX-33	Sodium tartrate dehydrate test samples (30 × 12 g)	\$100.00
97827	AX-34	Halogen lamp (replacement)	\$79.00
97828	AX-35	Pan handles (2 each)	\$31.50
97829	AX-36	Tweezers (2 each)	\$21.00
97830	AX-37	Spoons (2 each)	\$26.50
97831	AX-38	Protective in-use covers (5 each)	\$53.00
97832	AX-39	Dust cover	\$21.00
97833	AX-42	WinCT Moisture (standard for MS-70 and MX-50, option for MF-50)	\$285.00
97834	AD-1700-20G	Calibration mass (20 g)	\$130.00
97837	AX-43	Temperature calibrator (MS-70 and MX-50 only)	\$540.00
151247	AD-1688	Data logger	\$370.00
196128	AD-8127	Impact dot matrix, statistical printer, includes cable	\$1,030.00





STATIC ELIMINATOR

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

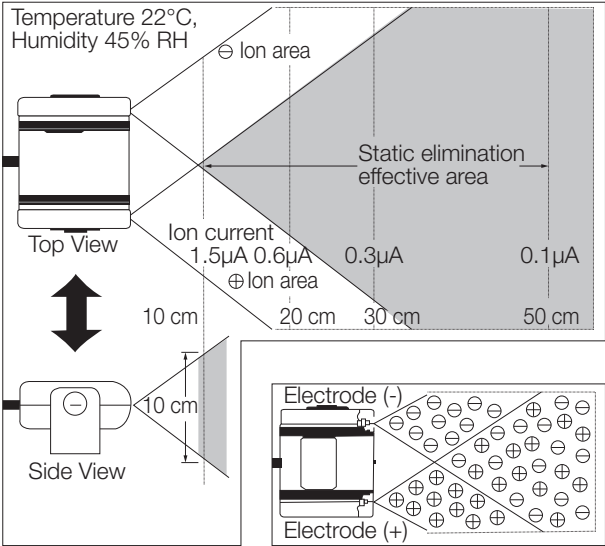
**Static Eliminating Electrode:**  
Tungsten emitter

**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	\$1,440.00

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



BALANCES  
A&D WEIGHING



# 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	\$8,425.00
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	\$10,500.00
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	\$10,725.00
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	\$11,075.00
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	\$11,475.00

## Options/Accessories

Part #	Model #	Description	Price
70406	80500525	RS-232 Cable, PC 9-pin to EX	\$295.00
156234	46001724	Multi-range AC adapter	\$75.00
156235	46001780	International plug set	\$37.50





# Pioneer® PX Series

## 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, 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:

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)	<b>191850</b>	\$2,550.00
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)	<b>191851</b>	\$2,925.00
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)	<b>191852</b>	\$3,250.00

## Options/Accessories

Part #	A&D Model #	Description	Price
<b>67413</b>	80850080	TAL software WinWedge®	\$760.00
<b>191875</b>	80850043	Security device	\$355.00
<b>102799</b>	80780009	Forceps, 2.75 in (70 mm)	\$43.00
<b>102800</b>	80780010	Forceps, 3.5 in (89 mm)	\$43.00
<b>33454</b>	80250048	Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g	\$65.00
<b>97250</b>	80250400	Stainless steel scoop 11.9 in × 7.38 in × 1.69 in	\$120.00
<b>100292</b>	80250954	Stainless steel scoop 17.2 in × 11 in × 3.4 in (44 cm × 28 cm × 8.5 cm)	\$89.00
<b>156234</b>	46001724	AC adapter (requires 156235 plug set)	\$75.00
<b>156235</b>	46001780	Universal plug set	\$37.50
<b>191876</b>	30472064	Auxiliary display AD7-RS	\$115.00
<b>191877</b>	80253384	Density kit	\$1,110.00
<b>191878</b>	83034024	Sinker glass for density determination	\$930.00
<b>191879</b>	83021085	USB interface cable	\$280.00
<b>191880</b>	30093334	Dust cover	\$49.00
<b>191881</b>	30372546	In-use cover	\$67.00



BALANCES  
OHAUS



# 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	\$6,250.00
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	\$6,950.00
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	\$8,150.00

## Options/Accessories

Part #	Model #	Description	Price
35263	80850043	Security device for EX	\$120.00
77712	80500524	RS-232 cable, PC 25-pin to EX	\$280.00
70406	80500525	RS-232 Cable, PC 9-pin to EX	\$295.00
156234	46001724	Multi-range AC adapter	\$75.00
156235	46001780	International plug set	\$37.50





# 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	\$4,575.00
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	\$5,050.00
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	\$5,500.00

## Options/Accessories

Part #	Model #	Description	Price
191879	83021085	USB cable, Type A to B	\$280.00
191875	80850043	Security device (laptop lock)	\$355.00
77712	80500524	25-pin RS-232 cable (PC)	\$280.00
70406	80500525	9-pin RS-232 cable (PC)	\$295.00



BALANCES  
OHAUS



## 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  
SJX1502N/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	\$1,040.00
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	\$1,290.00
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	\$1,500.00
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	\$1,240.00



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



Measurement  
Canada  
Approved



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	\$1,050.00
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	\$1,050.00
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	\$1,050.00
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	\$1,050.00
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	\$1,050.00

## Options/Accessories

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



BALANCES  
OHAUS



# Adventurer® Series

## Standard Features

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

## Specifications

### Weighing Units:

Milligram, gram, kilogram, ounce, pound, carat, pennyweight, troy ounce, grain, newton, Hong Kong tael, Singapore tael, Taiwan tael, momme, tical, baht, mesghal, tola, custom

### Operating Modes:

Counting, weighing, dynamic weighing, checkweighing, percent weighing, totalization, display hold, density determination, formulation

### Power:

100 to 240 VAC, 0.3 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)	<b>164624</b>	\$5,350.00
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)	<b>164627</b>	\$2,430.00
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)	<b>164629</b>	\$2,900.00
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)	<b>164632</b>	\$3,225.00
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)	<b>164634</b>	\$1,910.00
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)	<b>164636</b>	\$2,120.00
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)	<b>164638</b>	\$2,360.00
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)	<b>164640</b>	\$3,000.00
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)	<b>164644</b>	\$2,360.00

## Options/Accessories

Part #	Model #	Description	Price
<b>191879</b>	83021085	USB cable, Type A to B	\$280.00
<b>191875</b>	80850043	Security device (laptop lock)	\$355.00
<b>77712</b>	80500524	25-pin RS-232 cable (PC)	\$280.00
<b>70406</b>	80500525	9-pin RS-232 cable (PC)	\$295.00





# 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	\$2,750.00
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	\$3,350.00
AX523	520 g	0.001 g	0.001 g	0.002 mg	5.1 in (130 mm)	13.93 × 13.39 × 9.05 in (354 × 340 × 230 mm)	164630	\$3,650.00
AX622	620 g	0.01 g	0.001 g	0.002 mg	6.9 x 7.7 in (175 × 195 mm)	13.93 × 3.94 × 9.05 in (354 × 100 × 230 mm)	164633	\$2,100.00

## Options/Accessories

Part#	Model#	Description	Price
191879	83021085	USB cable, Type A to B	\$280.00
191875	80850043	Security device (laptop lock)	\$355.00
77712	80500524	25-pin RS-232 cable (PC)	\$280.00
70406	80500525	9-pin RS-232 cable (PC)	\$295.00





# 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, 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	\$1,480.00
PX323/E	320 g	0.001 g	1 mg	2 mg	4.72 in (120 mm)	8.2 × 12.6 × 12.2 in (209 × 321 × 309 mm)	191854	\$1,720.00

## Options/Accessories

Part #	A&D Model #	Description	Price
67413	80850080	TAL software WinWedge®	\$760.00
191875	80850043	Security device	\$355.00
102799	80780009	Forceps, 2.75 in (70 mm)	\$43.00
102800	80780010	Forceps, 3.5 in (89 mm)	\$43.00
33454	80250048	Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g	\$65.00
97250	80250400	Stainless steel scoop 11.9 in × 7.38 in × 1.69 in	\$120.00
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)	\$75.00
156235	46001780	Universal plug set	\$37.50
191876	30472064	Auxiliary display AD7-RS	\$115.00
191877	80253384	Density kit	\$1,110.00
191878	83034024	Sinker glass for density determination	\$930.00
191879	83021085	USB interface cable	\$280.00
191880	30093334	Dust cover	\$49.00
191881	30372546	In-use cover	\$67.00





# 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	\$4,400.00
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	\$4,800.00
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	\$5,875.00
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	\$6,875.00

## Options/Accessories

Part #	Model #	Description	Price
35263	80850043	Security device	\$120.00
77712	80500524	RS-232 cable, PC 25-pin to EX	\$280.00
70406	80500525	RS-232 Cable, PC 9-pin to EX	\$295.00
156234	46001724	Multi-range AC adapter	\$75.00
156235	46001780	International plug set	\$37.50





# 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
<b>LCD Model</b>								
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)	<b>171984</b>	\$1,040.00
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)	<b>171985</b>	\$1,160.00
<b>Touchscreen Model</b>								
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)	<b>171996</b>	\$1,180.00
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)	<b>171998</b>	\$1,320.00

## Options/Accessories

Part#	Model#	Description	Price
<b>67413</b>	80850080	WinWedge® TAL Software	\$760.00
<b>181878</b>	30330714	Power supply, US plug, 110/220 VAC	\$39.00



SPX Round Pan



STX Rectangular Pan



# Pioneer® PX Series

## 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  
PX2202/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	\$1,420.00
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	\$1,560.00
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	\$1,870.00
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	\$2,120.00
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	\$1,320.00
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	\$1,520.00

## Options/Accessories

Part #	Model #	Description	Price
67413	80850080	TAL software WinWedge®	\$760.00
191875	80850043	Security device	\$355.00
102799	80780009	Forceps, 2.75 in (70 mm)	\$43.00
102800	80780010	Forceps, 3.5 in (89 mm)	\$43.00
33454	80250048	Black scoop, aluminum 4 in × 3.5 in (10.2 cm × 8.9 cm), weight 24 g	\$65.00
97250	80250400	Stainless steel scoop 11.9 in × 7.38 in × 1.69 in	\$120.00
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)	\$75.00
156235	46001780	Universal plug set	\$37.50
191876	30472064	Auxiliary display AD7-RS	\$115.00
191877	80253384	Density kit	\$1,110.00
191878	83034024	Sinker glass for density determination	\$930.00
191879	83021085	USB interface cable	\$280.00
191880	30093334	Dust cover	\$49.00
191881	30372546	In-use cover	\$67.00



BALANCES  
OHAUS



# 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	\$4,450.00
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	\$5,100.00
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	\$5,800.00
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	\$6,875.00
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	\$4,825.00
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	\$5,275.00

## Options/Accessories

Part #	Model #	Description	Price
35263	80850043	Security device	\$120.00
77712	80500524	RS-232 cable, PC 25-pin to EX	\$280.00
70406	80500525	RS-232 Cable, PC 9-pin to EX	\$295.00
156234	46001724	Multi-range AC adapter	\$75.00
156235	46001780	International plug set	\$37.50





# 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	\$2,575.00
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	\$2,725.00
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	\$3,425.00
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	\$3,875.00
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	\$2,260.00
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	\$2,650.00

## Options/Accessories

Part#	Model#	Description	Price
191879	83021085	USB cable, Type A to B	\$280.00
191875	80850043	Security device (laptop lock)	\$355.00
77712	80500524	25-pin RS-232 cable (PC)	\$280.00
70406	80500525	9-pin RS-232 cable (PC)	\$295.00





# Navigator™ XT Series

## Standard Features

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

## Specifications

### Weighing Units:

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

### Operating Modes:

Weighing, percent, parts counting, checkweighing, display hold, accumulation/totalization

### Power:

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

### Stabilization Time:

1 second (NVT4201 = 1.5 seconds)

### 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	\$590.00
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	\$735.00
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	\$735.00
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	\$795.00
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	\$945.00

## Options/Accessories

Part #	Model #	Description	Price
118779	83032107	RS-232 interface kit, Navigator series	\$245.00
118780	83032108	USB interface kit	\$245.00
118781	83032109	Ethernet interface kit	\$245.00
194616	30467963	Carrying case	\$165.00
194615	30467987	Universal AC adapter	\$57.00





# 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 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
<b>LCD Model</b>								
<b>SPX222</b>	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)	<b>171986</b>	\$750.00
<b>SPX422</b>	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)	<b>171987</b>	\$1,210.00
<b>SPX622</b>	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)	<b>171988</b>	\$1,420.00
<b>SPX1202</b>	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)	<b>171989</b>	\$1,620.00
<b>SPX2202</b>	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)	<b>171990</b>	\$1,800.00
<b>SPX421</b>	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)	<b>171991</b>	\$420.00
<b>SPX621</b>	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)	<b>171992</b>	\$620.00
<b>SPX2201</b>	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)	<b>171993</b>	\$790.00
<b>SPX6201</b>	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)	<b>171994</b>	\$1,280.00
<b>SPX8200</b>	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)	<b>171995</b>	\$645.00

**BALANCES  
OHAUS**



SPX Round Pan



## Scout® Series

Model	Capacity	Readability	Repeatability	Linearity	Pan Size	Dimensions	Part #	List Price
<b>Touchscreen Model</b>								
<b>STX222</b>	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)	<b>171999</b>	\$865.00
<b>STX422</b>	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)	<b>172000</b>	\$1,210.00
<b>STX622</b>	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)	<b>172001</b>	\$1,420.00
<b>STX1202</b>	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)	<b>172002</b>	\$1,620.00
<b>STX2202</b>	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)	<b>172003</b>	\$1,800.00
<b>STX421</b>	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)	<b>172004</b>	\$495.00
<b>STX621</b>	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)	<b>172005</b>	\$620.00
<b>STX2201</b>	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)	<b>172006</b>	\$930.00
<b>STX6201</b>	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)	<b>172007</b>	\$1,470.00
<b>STX8200</b>	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)	<b>172008</b>	\$760.00

## Options/Accessories

Part#	Model #	Description	Price
<b>67413</b>	80850080	WinWedge® TAL Software	\$760.00
<b>181878</b>	30330714	Power supply, US plug, 110/220 VAC	\$39.00



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	\$1,160.00
V31XH402	400 g	0.01 g	4.7 in (120 mm)	8.5 × 7.3 × 3 in (218 × 186 × 72 mm)	117790	\$1,610.00
V31X501	500 g	0.1 g	4.7 in (120 mm)	8.5 × 7.3 × 3 in (218 × 186 × 72 mm)	117789	\$895.00
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	\$1,160.00
V31X3	3 kg	1 g	5.8 × 6.2 in (146 × 158 mm)	8.5 × 7.3 × 3 in (218 × 186 × 72 mm)	100285	\$785.00
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	\$1,610.00
V31X6	6 kg	1 g	5.8 × 6.2 in (146 × 158 mm)	8.5 × 7.3 × 3 in (218 × 186 × 72 mm)	100286	\$785.00

## Options/Accessories

Part #	Model #	Description	Price
103119	80251216	Hardshell carrying case for FD and Valor	\$195.00
102756	80251147	Sandwich pan, 11 in × 5.9 in (280 × 150 mm)	\$125.00
102757	80251148	French fries holder pan	\$125.00
102758	80251149	Ice cream cone holder	\$125.00
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)	\$120.00



BALANCES  
OHAUS



# 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	\$900.00
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	\$900.00
V31XW6	6 kg	2 g	5.8 × 6.2 in (146 × 158 mm)	8.5 × 7.3 × 3 in (218 × 186 × 72 mm)	100289	\$900.00

## Options/Accessories

Part #	Model #	Description	Price
103119	80251216	Hardshell carrying case	\$195.00
102756	80251147	Sandwich pan, 11 × 5.9 in (280 × 150 mm)	\$125.00
102757	80251148	French fries holder pan	\$125.00
102758	80251149	Ice cream cone holder	\$125.00
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)	\$120.00





# 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	\$810.00
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	\$810.00
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	\$810.00

## Options/Accessories

Part #	Model #	Description	Price
97250	80250400	Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)	\$120.00
100292	80250954	Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)	\$89.00





# 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	\$250.00
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	\$260.00
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	\$270.00
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	\$250.00
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	\$290.00
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	\$270.00
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	\$270.00
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	\$290.00

## Options/Accessories

Part #	Model #	Description	Price
195254	30467763	Carrying case	\$95.00
181878	30330714	US power adapter	\$39.00
195256	30333865	AU power adapter	\$40.00
195257	30333866	EU power adapter	\$40.00
195258	30333867	UK power adapter	\$40.00
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	\$185.00
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	\$185.00
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	\$185.00
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	\$250.00

## Options/Accessories

Part #	Model #	Description	Price
194615	30467987	Power adapter	\$57.00
195254	30467763	Carrying case	\$95.00
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	\$175.00
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	\$150.00

Options/Accessories

Part #	Model #	Description	Price
33454	4590-30	Black scoop, aluminum 4 × 3.5 in (10.2 × 8.9 cm), weight 24 g	\$65.00



BALANCES  
OHAUS



# 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	\$325.00
V12P6	6 kg	1 g	7.5 × 9.8 in (190 × 250 mm)	10.1 × 11 × 4.8 in (256 × 280 × 121 mm)	205020	\$325.00
V12P15	15 kg	2 g	7.5 × 9.8 in (190 × 250 mm)	10.1 × 11 × 4.8 in (256 × 280 × 121 mm)	205021	\$325.00
V12P30	30 kg	5 g	7.5 × 9.8 in (190 × 250 mm)	10.1 × 11 × 4.8 in (256 × 280 × 121 mm)	205023	\$325.00

## Options/Accessories

Part #	Model #	Description	Price
97250	80250400	Stainless steel scoop 11.9 × 7.4 × 1.7 in (30 × 18.7 × 4.3 cm)	\$120.00
100292	80250954	Stainless steel scoop 17.2 × 11 × 3.4 in (44 × 28 × 8.5 cm)	\$89.00



BALANCES  
OHAUS



# Explorer® Series

## Standard Features

- Touchless IR (infrared) sensors minimize keypad use
- Program IR sensor to control operations including print, tare and other selectable functions
- Color VGA, 5.7 in display with icons for simple menu navigation
- Multiple application modes designed for versatility
- AutoCal™ calibration
- Robust 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	\$5,825.00
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	\$7,100.00
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	\$8,325.00

## Options/Accessories

Part#	Model #	Description	Price
157238	30078082	Tower mount display	\$220.00
77712	80500524	RS-232 cable, PC 25-pin to EX	\$280.00
70406	80500525	RS-232 cable, PC 9-pin to EX	\$295.00
156234	46001724	Multi-range AC adapter	\$75.00
156235	46001780	International plug set	\$37.50





# Triple Beam

## Standard Features

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

## Specifications

### Tare Range:

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

### Pan Design:

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

### Calibration:

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

### Est. Weight:

8 lb (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	\$435.00
710-T0	610 g	0.1 g	Ø 6 in (152 mm)	18 × 12 × 9 in (457 × 305 × 229 mm)	33351	\$505.00
720-00	610 g	0.1 g	-	18 × 12 × 9 in (457 × 305 × 229 mm)	33352	\$505.00
750-S0	610 g	0.1 g	Ø 6 in (152 mm)	18 × 12 × 9 in (457 × 305 × 229 mm)	33355	\$250.00
760-00	610 g	0.1 g	Ø 6 in (152 mm)	18 × 12 × 9 in (457 × 305 × 229 mm)	33357	\$445.00
720-S0	610 g	0.1 g	-	18 × 12 × 9 in (457 × 305 × 229 mm)	33353	\$590.00
730-00	610 g	0.1 g	-	18 × 12 × 9 in (457 × 305 × 229 mm)	33354	\$635.00
TP2611	2,610 g	0.1 g	5.8 × 5.8 in (147 × 147 mm)	18 × 12 × 9 in (457 × 305 × 229 mm)	103109	\$345.00

## Options/Accessories

Part #	Model #	Description	Price
33417	80780011	Rod and clamp assembly	\$105.00
33447	80780015	Stainless steel scoop, 12 × 6 × 2.75 in (304 × 152 × 70 mm) footed and counterweighted for balance without tare	\$190.00
33463	80780017	Vinyl dust cover	\$39.00
33414	80780108	Attachment weight set, metric	\$105.00





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	\$565.00
1550-SD	2,000 g	0.1 g	6 in (152 mm)	25 × 18 × 22 in (160 × 240 × 140 mm)	33367	\$390.00
1560-SD	2,000 g	0.1 g	6 in (152 mm)	25 × 18 × 22 in (160 × 240 × 140 mm)	33368	\$630.00

Options/Accessories

Part#	Model#	Description	Price
33461	80850262	Vinyl dust cover	\$39.00
33417	80780011	Rod and clamp assembly	\$105.00





# 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	\$605.00
311-00	311 g	0.01 g	6 in (152 mm)	33370	\$510.00
1650-00*	610 g	0.1 g	6 in (152 mm)	33361	\$545.00
1650-WO*	2,610 g	0.1 g	6 in (152 mm)	33362	\$625.00
1610-00*	610 g	0.1 g	6 in (152 mm)	33360	\$625.00

## Options/Accessories

Part #	Model #	Description	Price
33420	80780018	Test tube kit	\$58.00
33462	80780005	Vinyl dust cover	\$39.00
<b>Additional OHAUS Mechanical Balance Accessories</b>			
33414	80780108	Metric attachment mass set	\$105.00
33454	80250048	Black scoop, aluminum, 4 in × 3.5 in (102 × 89 mm)	\$65.00



BALANCES  
OHAUS



# 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)

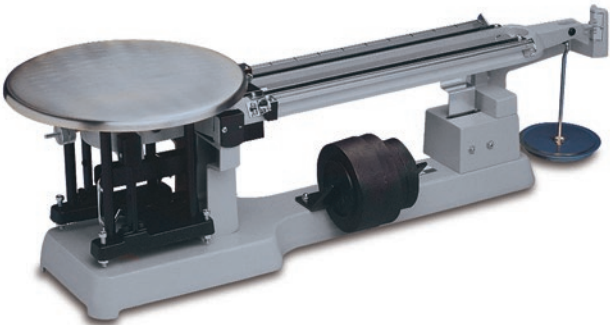
**Calibrations:**  
Front beam: 100 × 1 g  
Rear beam: 1,000 × 100 g

**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	\$4,300.00
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	\$7,300.00

## Options/Accessories

Part#	Model#	Description	Price
70401	11113857	Temperature calibration kit	\$840.00
70402	80850087	Pads, glass fiber, 200/box	\$150.00
70403	80850086	Sample pans, 80/box, 90 mm diameter	\$95.00
70404	80850088	Reusable sample pans, 3/box	\$290.00
70406	80500525	Cable, 9-pin serial extension	\$295.00
191875	80850043	Security device	\$355.00
67413	80850080	WinWedge® TAL Software	\$760.00





## Cubis® II Series MCA

## Standard Features

- Large, high-end, 7 in color touchscreen TFT display in 16:9 format
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 interface for connecting to printer or PC
- M/DH 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
<b>Cubis II</b>								
<b>MCA2.7S- 2S00-M</b>	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)	<b>195682</b>	\$47,565.00
<b>MCA6.6S- 2S00-M</b>	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)	<b>195687</b>	\$37,400.00
<b>MCA6.6S- 2S00-F</b>	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)	<b>195690</b>	\$38,675.00
<b>MCA3.6P- 2S00-M</b>	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)	<b>195692</b>	\$28,840.00
<b>Cubis I</b>								
<b>MCA66SI-S00-3</b>	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)	<b>223107</b>	\$50,275.00
<b>MCA66P-3S00-DMDS</b>	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)	<b>223108</b>	\$43,650.00
<b>MCA36S-3S00-MDS</b>	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)	<b>223109</b>	\$41,560.00
<b>MCA36P-3S00-MDS</b>	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)	<b>223110</b>	\$35,460.00

## Options/Accessories

Part #	Model #	Description	Price
<b>Consult</b>	IP	Additional RS-232, 9-pin connection with PS/2 port (factory installed)	<b>Consult</b>
<b>156906</b>	6971987	Power supply, 100 to 240 V	<b>\$280.00</b>
<b>156908</b>	6900900	Cord, power 220 V EU	<b>\$50.00</b>





# 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
<b>MCE2.7S- 2S00-M</b>	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)	<b>195680</b>	\$46,570.00
<b>MCE6.6S- 2S00-M</b>	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)	<b>195686</b>	\$36,410.00
<b>MCE6.6S- 2S00-F</b>	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)	<b>195689</b>	\$37,685.00
<b>MCE3.6P- 2S00-M</b>	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)	<b>195693</b>	\$27,845.00

## Options/Accessories

Part #	Model #	Description	Price
<b>Consult</b>	IP	Additional RS-232, 9-pin connection with PS/2 port (factory installed)	Consult
<b>156906</b>	6971987	Power supply, 100 to 240 V	\$280.00
<b>156908</b>	6900900	Cord, power 220 V EU	\$50.00





# Cubis® II MCA Series

## Standard Features

- Large, high-end, 7 in color touchscreen TFT display in 16:9 format
- Modular design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- 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	\$17,450.00
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	\$15,200.00
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	\$10,975.00

## 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	\$280.00
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	\$17,800.00
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	\$15,375.00
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	\$10,800.00

## 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	\$280.00
156908	6900900	Cord, power 220 V EU	\$50.00
Consult	IP	Additional RS-232, 9-pin connection with PS2 port	Consult





# Quintix/Secura Series

## Standard Features

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

## SECURA OPTIONS

- Internal 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
<b>Quintix</b>									
<b>QUINTIX165-1S</b>	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)	<b>170634</b>	\$7,850.00
<b>QUINTIX125D-1S</b>	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)	<b>170635</b>	\$8,200.00
<b>Secura</b>									
<b>SECURA125-1S</b>	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)	<b>170636</b>	\$9,025.00
<b>SECURA225D-1S</b>	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)	<b>170380</b>	\$9,450.00

## Options/Accessories

Part #	Model #	Description	Price
<b>155847</b>	YCC03-D09	Adapter cable, USB to RS-232	<b>\$82.00</b>





# 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

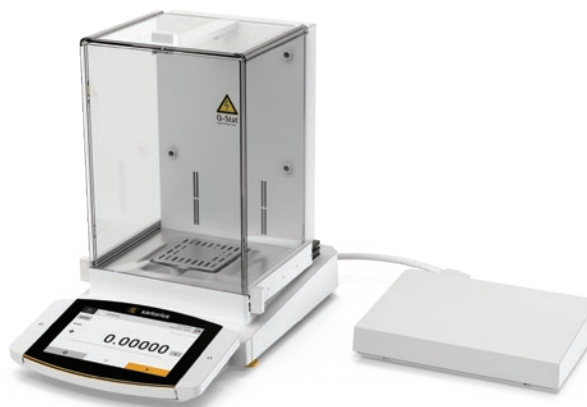
### Return Policy:

Sartorius standard policy - restock fee may apply

Model	Capacity	Readability	Repeatability	Linearity	Weighing Chamber	Pan Size	Dimensions	Part #	List Price
<b>MCA with TFT Color Touchscreen</b>									
<b>MCA324P</b>	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)	<b>195805</b>	\$11,175.00
<b>MCA524P</b>	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)	<b>195804</b>	\$11,500.00
<b>MCA124S</b>	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)	<b>195702</b>	\$9,450.00
<b>MCA224S</b>	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)	<b>195701</b>	\$10,900.00
<b>MCA324S</b>	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)	<b>195700</b>	\$12,425.00
<b>MCA524S</b>	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)	<b>195699</b>	\$14,225.00

## Options/Accessories

Part #	Model #	Description	Price
<b>Consult</b>	DA	Automatic motorized draft shield for analytical balances (factory installed)	Consult
<b>Consult</b>	DI	Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed)	Consult
<b>Consult</b>	TR	Certificate of compliance and full factory test report (factory installed)	Consult
<b>Consult</b>	IR	Additional RS-232, 25-pin connection (factory installed)	Consult
<b>156906</b>	6971987	Power supply, 100 to 240 V	\$280.00
<b>156908</b>	6900900	Cord, power 220 V EU	\$50.00
<b>Consult</b>	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
<b>MCE with TFT Touchscreen</b>									
<b>MCE324P</b>	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)	<b>195801</b>	\$10,100.00
<b>MCE524P</b>	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)	<b>195800</b>	\$10,425.00
<b>MCE124S</b>	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)	<b>195697</b>	\$8,375.00
<b>MCE224S</b>	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)	<b>195696</b>	\$9,825.00
<b>MCE324S</b>	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)	<b>195695</b>	\$11,350.00
<b>MCE524S</b>	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)	<b>195799</b>	\$13,150.00

## Options/Accessories

Part#	Model #	Description	Price
<b>Consult</b>	DA	Automatic motorized draft shield for analytical balances (factory installed)	<b>Consult</b>
<b>Consult</b>	DI	Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed)	<b>Consult</b>
<b>Consult</b>	TR	Certificate of compliance and full factory test report (factory installed)	<b>Consult</b>
<b>Consult</b>	IR	Additional RS-232, 25-pin connection (factory installed)	<b>Consult</b>
<b>156906</b>	6971987	Power supply, 100 to 240 V	<b>\$280.00</b>
<b>156908</b>	6900900	Cord, power 220 V EU	<b>\$50.00</b>
<b>Consult</b>	IP	Additional RS-232, 9-pin connection with PS/2 port	<b>Consult</b>





# 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)

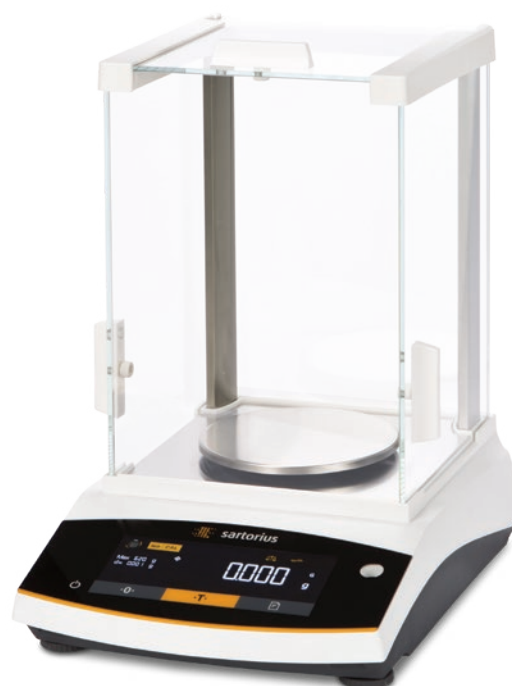
### Warranty:

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	\$3,000.00
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	\$3,400.00
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	\$3,850.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00



BALANCES  
SARTORIUS



# 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	\$4,175.00
BCA124I-1S	120 g	0.1 mg	±0.1 mg	±0.2 mg	3.5 in (90 mm)	20.67 × 19.49 × 15.75 in (525 × 495 × 400 mm)	202469	\$4,550.00
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	\$5,050.00
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	\$5,550.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00





# 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	\$3,175.00
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	\$3,575.00
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	\$1,860.00
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	\$2,750.00
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	\$3,000.00
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	\$1,430.00
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	\$1,720.00
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	\$2,000.00
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	\$2,280.00
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	\$1,720.00
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	\$3,000.00
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	\$2,000.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00



BALANCES  
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# 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

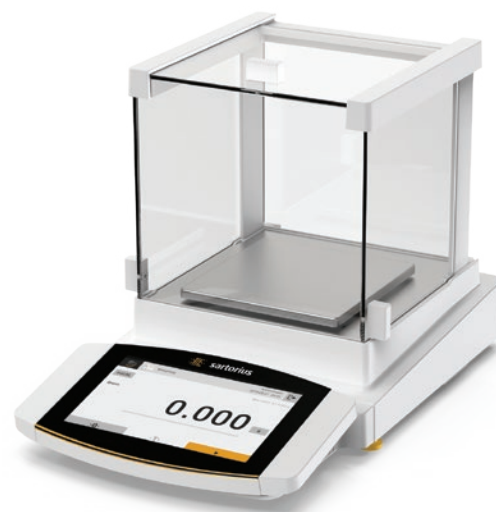
### Return Policy:

Sartorius standard policy - restock fee may apply

Model	Capacity	Readability	Repeatability	Linearity	Pan Size	Dimensions	Part #	List Price
<b>MCA623P</b>	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)	<b>195811</b>	\$8,275.00
<b>MCA323S</b>	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)	<b>195716</b>	\$8,125.00
<b>MCA623S</b>	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)	<b>195715</b>	\$9,275.00
<b>MCA1203S</b>	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)	<b>195713</b>	\$11,500.00
<b>MCA2203P</b>	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)	<b>195809</b>	\$12,550.00
<b>MCA2203S</b>	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)	<b>195712</b>	\$12,925.00
<b>MCA3203S</b>	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)	<b>195711</b>	\$12,000.00
<b>MCA5203S</b>	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)	<b>195714</b>	\$15,200.00
<b>MCA5203P</b>	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)	<b>195810</b>	\$14,575.00

## Options/Accessories

Part#	Model#	Description	Price
<b>Consult</b>	TR	Certificate of compliance and full factory test report (factory installed)	<b>Consult</b>
<b>Consult</b>	IR	Additional RS-232, 25-pin connection (factory installed)	<b>Consult</b>
<b>156906</b>	6971987	Power supply, 100 to 240 V	<b>\$280.00</b>
<b>156908</b>	6900900	Cord, power 220 V EU	<b>\$50.00</b>
<b>Consult</b>	IP	Additional RS-232, 9-pin connection with PS/2 port (factory installed)	<b>Consult</b>
<b>Consult</b>	DA, DR, DI or DU	Other draft shields available	<b>Consult</b>





# 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	\$7,075.00
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	\$7,225.00
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	\$8,200.00
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	\$13,500.00
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	\$14,125.00
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	\$10,450.00
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	\$11,500.00
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	\$11,900.00
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	\$12,000.00

## 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	\$280.00
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



BALANCES  
SARTORIUS



# Entris® II Series Basic Essential

## Standard Features

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

## Specifications

### Weighing Units:

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

### Operating Modes:

Weighing, density, percentage, counting, mass unit conversion

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

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

### 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	\$1,910.00
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	\$2,190.00
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	\$2,750.00
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	\$3,000.00
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	\$3,275.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00

BALANCES  
SARTORIUS





# Entris® II Series Basic Advanced

## Standard Features

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

## Specifications

### Weighing Units:

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

### Operating Modes:

Weighing, density, percentage, counting, mass unit conversion, mixing, statistics, components, animal weighing, checkweighing, peak hold and pipette test

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

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

### Calibration Weight:

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

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

### Warranty:

Two-year limited

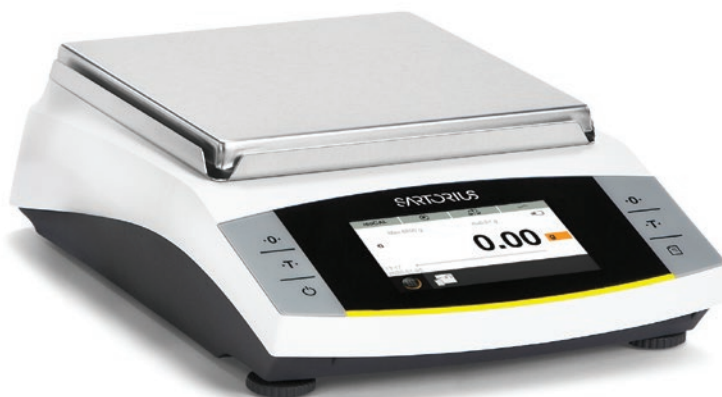
### Return Policy:

Sartorius standard policy - restock fee may apply

Model	Capacity	Readability	Repeatability	Linearity	Pan Size	Dimensions	Part #	List Price
BCA223I-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	\$2,675.00
BCA323I-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	\$2,900.00
BCA423I-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	\$3,175.00
BCA623I-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	\$3,775.00
BCA1203I-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	\$5,050.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data Cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00





# 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	\$6,450.00
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	\$7,050.00
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	\$7,600.00
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	\$5,550.00
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	\$9,350.00
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	\$7,850.00
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	\$8,600.00
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	\$7,125.00
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	\$9,600.00
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	\$10,925.00
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	\$7,775.00
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	\$13,175.00
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	\$11,525.00

## 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	\$280.00
156908	6900900	Cord, power 220 V EU	\$50.00
Consult	IP	Additional RS-232, 9-pin connection with PS/2 port (factory installed)	Consult





# 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	\$5,400.00
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	\$5,975.00
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	\$6,575.00
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	\$4,475.00
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	\$8,275.00
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	\$6,775.00
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	\$7,550.00
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	\$6,050.00
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	\$8,525.00
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	\$9,875.00
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	\$6,700.00
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	\$12,100.00
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	\$10,450.00

## 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	\$280.00
156908	6900900	Cord, power 220V EU	\$50.00
Consult	IP	Additional RS-232, 9-pin connection with PS/2 port (factory installed)	Consult



BALANCES  
SARTORIUS



# Entris® II Series Basic Essential

## Standard Features

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

## Specifications

### Weighing Units:

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

### Operating Modes:

Weighing, density, percentage, counting, mass unit conversion

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

1.5 seconds

### Calibration Weight:

BCE622I-1S, BCE822I-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:

BCE822I-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	\$1,770.00
BCE822I-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	\$1,910.00
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	\$2,050.00
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	\$2,190.00
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	\$1,910.00
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	\$2,320.00
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	\$2,600.00
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	\$2,050.00
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	\$3,275.00
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	\$1,910.00
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	\$2,320.00
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	\$2,050.00

## 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	\$81.00
31106	6906918	Ink ribbon cassette	\$115.00
201911	YCC-D09MF	Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
204042	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
191429	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00





# Entris® II Series Basic Advanced

## Standard Features

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

## Specifications

### Weighing Units:

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

### Operating Modes:

Weighing, density, percentage, counting, mass unit conversion, mixing, statistics, components, animal weighing, checkweighing, peak hold and pipette test

### Power:

AC adapter, 115 to 240 V, US plug

### Stabilization Time:

1.5 seconds

### Calibration Weight:

BCA822I-1S, BCA1202I-1S, BCA2201I-1S: 500 g  
BCA2202I-1S: 2,000 g  
BCA3202I-1S, BCA4202I-1S, BCA5201I-1S,  
BCA6202I-1S, BCA8201I-1S, BCA10201I-1S,  
BCA12201I-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:

BCA822I-1S, BCA2201I-1S, BCA2202I-1S,  
BCA3202I-1S, BCA4202I-1S, BCA5201I-1S,  
BCA6202I-1S, BCA8201I-1S, BCA10201I-1S,  
BCA12201I-1S: 13.9 lb (6.3 kg)  
BCA1202I-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
BCA822I-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)	<b>202476</b>	\$2,400.00
BCA1202I-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)	<b>202477</b>	\$2,675.00
BCA2201I-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)	<b>202479</b>	\$2,270.00
BCA2202I-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)	<b>202480</b>	\$2,900.00
BCA3202I-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)	<b>202481</b>	\$3,175.00
BCA4202I-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)	<b>202482</b>	\$2,600.00
BCA5201I-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)	<b>202483</b>	\$2,550.00
BCA6202I-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)	<b>202484</b>	\$4,550.00
BCA8201I-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)	<b>202485</b>	\$3,025.00
BCA10201I-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)	<b>202486</b>	\$4,550.00
BCA12201I-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)	<b>202487</b>	\$4,800.00

## Options/Accessories

Part#	Model#	Description	Price
<b>112261</b>	YDP20-OCE	Data printer (printer requires power supply part number 191429)	\$1,700.00
<b>31103</b>	6906937	Paper rolls, one roll	\$81.00
<b>31106</b>	6906918	Ink ribbon cassette	\$115.00
<b>201911</b>	YCC-D09MF	Data cable RS-232, DB-9M to DB-9F (For YDP20 Printer)	\$91.00
<b>204042</b>	YEPS01-PS8	Replacement AC adapter with interchangeable plugs (included with Entris II)	\$66.00
<b>191429</b>	YEPS01-PS4	AC adapter with interchangeable plugs (for use with YDP20-OCE printer)	\$72.00



**BALANCES  
SARTORIUS**



# MA35, MA37 and MA160 Series

## Standard Features

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

## Specifications

### Heating Element:

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

### Heating 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	\$3,575.00
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	\$5,000.00
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	\$6,275.00





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





# 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
<b>Standard Balance Slab, Kasota Stone</b>		
<b>83779</b>	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
<b>Standard Balance Table, Kasota Stone</b>		
<b>83778</b>	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

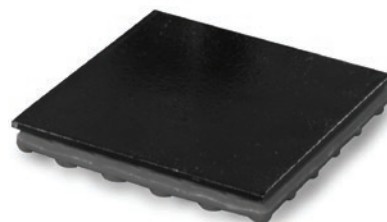
Part #	Description	Price
<b>Clean Room Table, Granite</b>		
<b>83780</b>	24 × 35 × 32 in, 600 lb	\$2,850.00



# 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)	\$190.00
33454	Black, aluminum 4.0 × 3.5 in (102 × 89 mm)	\$65.00
97250	Stainless steel scoop 11.9 × 7.4 × 1.7 in	\$120.00



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 × 3 in Ionizing Strip



1 × 1 in Ionizing Strip



1 in Static Brush

3 in Static Brush



Stand Ionizer

BALANCES  
ACCESSORIES



# Static Control

## Ionizers

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

## Static Brushes - 1 inch

Part #	Staticmaster Part #	Description	Price
<b>76669</b>	1C200	Static brush, 1 in	\$140.00
<b>76670</b>	1C200R	Replacement cartridge	\$90.00

## Static Brushes - 3 inch

Part #	Staticmaster Part #	Description	Price
<b>76671</b>	3C500	Static brush, 3 in	\$210.00
<b>76672</b>	3C500R	Replacement cartridge	\$145.00

## Ionizing Strips - 1 inch

Part #	Staticmaster Part #	Description	Price
<b>76677</b>	1U400	Ionizing unit, 1 in	\$250.00
<b>76678</b>	1U200	Ionizing unit, 1 in	\$150.00

## Ionizing Strips - 3 inch

Part #	Staticmaster Part #	Description	Price
<b>76676</b>	2U500	Ionizing unit, 1 × 3 in	\$250.00

## Ionizing Strip Accessories

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



Mini-fan Ionizer



