

EXPLORER[®] High Capacity

The Explorer series includes three high-capacity precision models with capacities up to 35 kg. Explorer high-capacity balances offer the same intuitive features, such as AutoCal™ and a 1 second stabilization time, with additional functions and attributes to support higher capacity weighing applications.

Modular Design

- 5.7" (145mm) diagonal color VGA touch screen optimizes viewing and menu navigation
- Two touchless sensors on display offer hands-free operation
- The display can be separated from the base up to 5 feet (1.5 meters) in order to fit operational needs in almost any workspace. A 27 foot (9 meter) cable is also available when additional flexibility is needed.

Superior protection in rugged or unstable environments

- With a die-cast metal base and a 14.8" × 12.2" (377 × 311 mm) stainless steel pan, the Explorer High Capacity is built to withstand rugged, every day use.
- 2-D Protection prevents shock and damage associated with movement and forces applied to the balance
- IP54 base enclosure protects the weighing base from damage by debris and accidental spills and splashes. (High Capacity models only)

High Capacity Accessories for Added Efficiency

- Adjustable rolling feet option provides assistance to easily moving the balance
- Rechargeable battery option provides 10 hours of operation away from a power source
- Weigh-below hook included and can be used for density determination



Shown with optional tower mount and rolling feet

Model	EX12001	EX24001	EX35001
Certified Models	EX12001N	EX24001N	EX35001N
Capacity (g)	12000	24000	35000
Readability (g)	0.1		
Verification Interval* e (g)	1g		
Class*	II		
Repeatability (sd.), ≤5% of Full Load (g)	0.08		
Repeatability (sd.), 5% of Full Load to Full Range (g)	0.1		
Linearity Deviation, Typical (g)	±0.06		
Linearity Deviation (g)	±0.2		
Stabilization Time (sec)	≤1		
Sensitivity Draft (PPM/°C)	3		
Min-Weight (Typical) (g) (USP, K=2, U=0,10%)	160		
Min-Weight (Optimal) (g) (USP, K=2, U=0,10%, SRP≤0,41d)***	82		
Min-Weight (Typical) (g) (USP, K=2, U=1%)	16		
Weighing Applications	Weighing, Percent Weighing, Parts Counting, Check Weighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, SQC, Fill Weight Variation		
Weighing Units	g, kg, ct, gn, lb, oz, ozt, N, dwt, hkt, sgt, twt, mom, tical, msg, tola, Custom Unit 1, Custom Unit 2, Custom Unit 3		
Weighing Units, Certified Models	g, kg, oz, lb, ct, ozt, grain, dwt		
Pan Size	14.84 × 12.24 in / 377 × 311 mm		
Calibration	AutoCal™ internal calibration		
Tare Range	To capacity by subtraction		
Power Requirement	Power Input 100-240 VAC, 0.5-0.25A, 47-63 Hz, Power Output: 24 VDC, 0.63 A, 15W		
Display Type	Full-color VGA graphic display, 4-wire resistive touch screen		
Display Size	5.7 in / 145 mm (diagonal)		
Display Housing (W × H × D)	7.68 × 3.54 × 6.06 in / 195 × 90 × 154 mm		
Base Housing (W × H × D)	14.84 × 4.72 × 17.44 in / 377 × 120 × 443 mm		
Communication	Standard RS232, USB, Optional Ethernet		
Operating Temperature Range	50°F to 86°F / 10°C to 30°C		
Operating Humidity Range	80% max up to 86°F/30°C, decreasing linearly to 50% at 104°F/40°C, non-condensing		
Storage Conditions	14°F/-10°C to 140°F/60°C at 10% to 90% relative humidity, non-condensing		
Net Weight	22 lbs / 10 kg		
Shipping Weight	25.8 lbs / 12.5 kg		
Shipping Dimensions	26.18 × 20.67 × 13.00 in / 665 × 525 × 330 mm		

*Certified models only

EXPLORER[®] Analytical and Precision Balances

Model	EX124	EX224	EX324	EX223	EX423	EX623	EX1103	EX2202	EX4202	EX6202	EX10202	EX6201	EX10201
Automatic Door	EX124/AD	EX224/AD	EX324/AD	—	—	—	—	—	—	—	—	—	—
External Calibration	—	—	—	EX223/E	EX423/E	—	—	EX2202/E	EX4202/E	EX6202/E	—	EX6201/E	—
Certified Models	EX124N/AD	EX224N/AD	EX324N/AD	EX223N/E	EX423N/E	—	EX1103N	EX2202N/E	EX4202N/E	EX6202N/E	EX10202N	EX6201N/E	EX10201N
Capacity (g)	120	220	320	220	420	620	1100	2200	4200	6200	10200	6200	10200
Readability d (g)	0.0001			0.001			0.01			0.1			
Verification Interval* e (g)	0.001			0.01		—	0.01	0.1					
Class*	I			II		—	I	II			I	II	I
Repeatability (sd.), ≤5% of Full Load (g)	0.00008			0.0008			0.008			0.08			
Repeatability (sd.), 5% of Full Load to Full Range (g)	0.0001			0.001			0.01			0.1			
Linearity Deviation, Typical (g)	±0.00006			±0.0006			±0.006			±0.06			
Linearity Deviation (g)	±0.0002			±0.002			±0.02			±0.2			
Stabilization Time (sec)	≤2		≤3	≤1.5			≤1						
Sensitivity Drift (ppm/°C)	1.5			3			5			3			
Min-Weight (Typical) (g) (USP, K=2, U=0,10%)	0.16			1.6			16			160			
Min-Weight (Optimal) (g) (USP, K=2, U=0,10%, SRP≤0,41d)***	0.082			0.82			8.2			82			
Min-Weight (Typical) (g) (USP, K=2, U=1%)	0.016			0.16			1.6			16			
Weighing Units	Gram, Milligram, Kilogram, Carat, Ounce, Ounce Troy, Pound, Pennyweight, Grain, Newton, Momme, Mesghal, Hong Kong Tael, Singapore Tael, Taiwan Tael, Tical, Tola, Baht, Custom Unit 1, Custom Unit 2, Custom Unit 3												
Weighing Units, Certified Models	mg, g, oz, lb, ct, ozt, grain, dwt					—		mg, g, oz, lb, ct, ozt, grain, dwt		g, kg, oz, lb, ct, ozt, grain, dwt			
Weighing Applications	Weighing, Percent Weighing, Parts Counting, Check Weighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, Pipette Adjustment, SQC, Fill Weight Variation												
Pan Size	Ø 3.54 in / 90 mm			Ø 5.12 in / 130 mm			7.48 × 7.87 in / 190 × 200 mm						
Calibration	All models feature external calibration. Models feature AutoCal™ internal calibration, except for EX.../E models												
Tare Range	To capacity by subtraction												
Power Requirements	AC Adapter Input: 100-240 VAC, 0.6A, 50-60 Hz												
Display Type	Full-color VGA graphic display, 4-wire resistive touch screen												
Display Size	5.7 in / 145 mm (diagonal)												
Display Housing (WxHxD)	7.68 × 3.54 × 6.06 in / 195 × 90 × 154 mm												
Base Housing (WxHxD)	9.06 × 13.78 × 15.47 in / 230 × 350 × 393 mm						9.06 × 3.86 × 15.47 in / 230 × 98 × 393 mm						
Communication	RS232, USB and optional ethernet												
Temperature Range	50°F to 86°F / 10°C to 30°C												
Humidity Range	80% max up to 86°F/30°C decreasing linearly to 50% at 104°F/40°C, non-condensing												
Storage Conditions	140°F/60°C at 10% to 90% relative humidity, non-condensing												
Net Weight	15 lbs / 6.9 kg					10 lbs / 4.3 kg				11 lbs / 5 kg			
Shipping Weight	21 lbs / 9.6 kg					15 lbs / 6.8 kg				16 lbs / 7.4 kg			
Shipping Dimensions	21.65 × 15.16 × 21.69 in / 55 × 38.5 × 55.1 cm						21.65 × 15.16 × 11.45 in / 55 × 38.5 × 29.1 cm						

For specifications related to the United States Pharmacopoeia (USP) minimum weight standard visit www.Ohaus.com/USPMinWeight

Compliance

- **Metrology:** NIST Handbook 44 (NTEP CC 12-012), Measurement Canada Weights and Measures Regulations (AM-5847) (Class I, nmax 320000; Class II, nmax 42000; certified models only)
- **Product Safety:** IEC/EN 61010-1:2010; CAN/CSA-C22.2 No. 61010-1-12; UL Std. No. 61010-1 (3rd Edition)
- **Electromagnetic Compatibility:** IEC 61326-1; EN 61326-1:2006 (Class B); C-Tick; FCC Part 15 (Class A); ICES-003 (Class A)
- **Environment:** RoHS; WEEE

Accessories

Density Determination Kit	80253384
Sinker glass for Density Determination Kit	83034024
Full-featured Impact Printer SF40A	30064203
Full-featured Bluetooth Impact Printer SF40A/BT	30944360
SF40A Paper roll (57,5mm 2pcs)	12120799
SF40A Ink ribbon cassette	12120798
ION-100A – Ionizer	30130302
RS232 Cable, PC 9 Pin	00410024
Cable, USB A to Mini USB, 1.8m Black	28120263
Cable, USB-RS232 Converter	30268619
Ethernet Kit	83021082
Tower Mount for Display (non High Capacity models)	83021102

Tower Mount for Display**	30078082
Display Extension Cable (9 Meter / 27 Feet)	30078078
Display Extension Cable (2 Meter / 6.56 Feet)	83021083
Draftshield Kit (0.01g, 0.1g) (non High Capacity models)	83021084
Security Device (Cable & Lock)	80850000
Security Device (Laptop Lock)	80850043
Foot Switch Kit	83021086
Rolling Feet Kit**	30041470
Rechargeable Battery Pack**	30041295
Auxiliary Display	30472064
Terminal in-use cover	83033633
Dust cover	30093334

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The management system governing the manufacture of this product is ISO 9001:2015 certified.

