



# Explorer<sup>®</sup>

High Capacity Balances



***The OHAUS Explorer<sup>®</sup> Series has risen to the next level of ingenuity—expanding on its modern features and design to offer unmatched functionality in a line of high-performance balances unlike any other on the market.***

The Explorer series now 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" color VGA touch screen optimizes viewing and menu navigation**
- **Two sensors on display offer hands-free operation**
- **The display can be separated from the base up to 1.5 meters in order to fit operational needs in almost any workspace. A 9 meter cable is also available when additional flexibility is needed.**

### ***Superior protection in rugged or unstable environments***

- **With a die-cast metal base, 377 × 311 mm stainless steel pan and thick metal housing, Explorer High Capacity is built to withstand daily wear and tear**
- **2-D Protection prevents shock and damage associated with movement and forces applied to the balance**
- **IP54 protection guards balance and weighing cell from damage by dry particles, humidity and accidental spills/splashes. (High Capacity models only)**

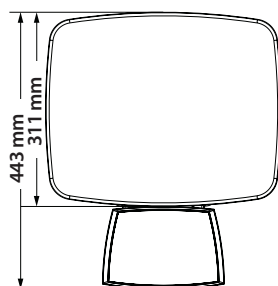
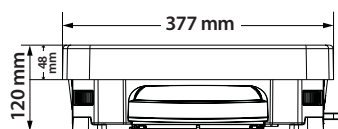
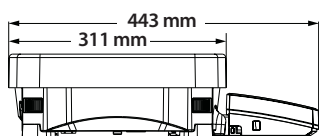
### ***Accessories for Added Efficiency***

- **Adjustable rolling feet provide assistance in easily moving the balance**
- **Rechargeable battery option provides 10 hours of operation away from a power source**

# Explorer<sup>®</sup> Analytical and Precision Balances

Model	EX12001	EX24001	EX35001
Type Approved	EX12001M	EX24001M	EX35001M
Capacity (g)	12000	24000	35000
Readability (g)	0.1	0.1	0.1
Verification Interval, Approved Models	1	1	1
Class, Approved Models	II	II	II
Repeatability std (g)	±0.1	±0.1	±0.1
Linearity (g)	±0.2	±0.2	±0.2
Stabilization Time	≤1	≤1	≤1
Sensitivity Draft (PPM/°C)	3	3	3
Typical Min-Weight (USP, K=3, U=0.1%)	210g	210g	210g
Typical Min-Weight (GLP K=2, U=0.1%)	140g	140g	140g
Weighing Applications	Weighing, Percent Weighing, Parts Counting, Check Weighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, SQC		
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, Approved Models	g, kg, ct		
Pan Size (in/cm)	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	145 mm (diagonal)		
Display Housing (W × H × D)	195 × 90 × 154 mm		
Base Housing (W × H × D)	377 × 120 × 443 mm		
Communication	Standard RS232, USB, Optional Ethernet, 2 <sup>nd</sup> RS232		
Operating Temperature Range	10°C to 30°C		
Operating Humidity Range	15% to 80% at 30°C, decreasing linearly to 50% at 40°C, non-condensing		
Storage Conditions	-10°C to 60°C at 10% to 90% relative humidity, non-condensing.		
Net Weight	10 kg		
Shipping Weight	12.5 kg		
Shipping Dimensions	665 × 525 × 330 mm		

## Outline Dimensions



## Compliance

- **Metrology:** EC, OIML, NTEP, Measurement Canada (Class I, 320000e; Class II, 42000e)
- **Product Safety:** IEC/EN 61010-1:2001; CAN/CSA-C22.2 No. 61010-1-04; UL Std. No. 61010-1 (2<sup>nd</sup> Edition)
- **Electromagnetic Compatibility:** EN61326-1:2006 (Class B); C-Tick; FCC, Part 15, Class A ; ICES-003
- **Environment:** RoHS; WEEE

## Accessories

<b>Tower Kit</b> .....	30078082	<b>Foot Switch Kit</b> .....	83021086
<b>Display Extension Cable</b> .....	83021083	<b>RS232 Cable, PC 25 Pin</b> .....	80500524
<b>Density Determination Kit</b> .....	80253384	<b>RS232 Cable, PC 9 Pin</b> .....	12106964
<b>Security Device (Cable &amp; Lock)</b> .....	80850000	<b>SF40A Impact Printer</b> .....	30064202
<b>Security Device (Laptop Lock)</b> .....	80850043	<b>RS232 Cable SF40A Impact Printer</b> ....	12122603
<b>Interface Cable, USB (Type A to B)</b> ....	83021085	<b>STP103-EU Thermal Printer</b> .....	80251993
<b>Second RS232 Kit</b> .....	83021081	<b>SF40A Paper roll (57,5mm 2pcs)</b> .....	12120799
<b>RS232 Cable and Adapter</b>		<b>SF40A Ink ribbon cassette</b> .....	12120798
<b>to 80251992 Printer</b> .....	80252581	<b>Adjustable Rolling Feet</b> .....	30041470
<b>Ethernet Kit</b> .....	83021082	<b>OHAUS DAS Software</b> .....	80253300
<b>External Rechargeable Battery Pack</b> ...	30041295	<b>Extension Cable 9m</b> .....	30078078

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