



Explorer[®]

High Capacity Balances



The OHAUS Explorer[®] 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)**

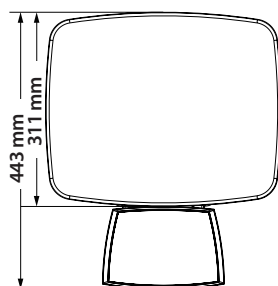
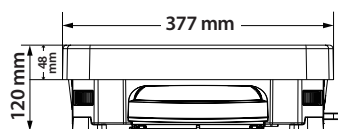
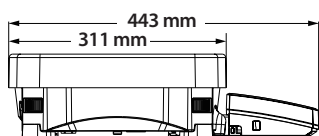
Accessories for Added Efficiency

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

Explorer[®] 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 nd 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 (2nd Edition)
- **Electromagnetic Compatibility:** EN61326-1:2006 (Class B); C-Tick; FCC, Part 15, Class A ; ICES-003
- **Environment:** RoHS; WEEE

Accessories

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

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