



# 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)**

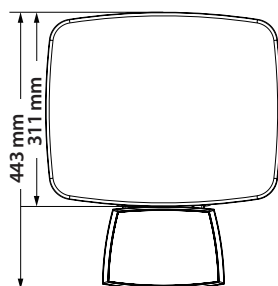
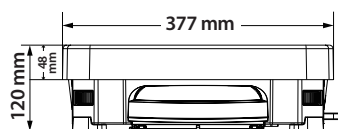
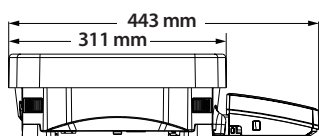
### ***Accessories for Added Efficiency***

- **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

|  |          |                                       |          |
|--|----------|---------------------------------------|----------|
| 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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