



# 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)**

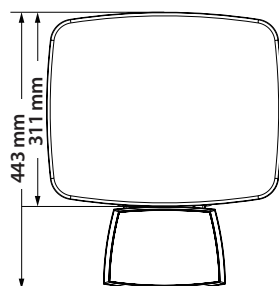
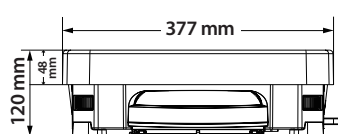
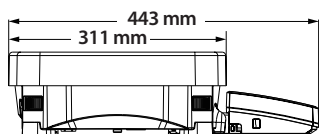
#### ***Accessories for Added Efficiency***

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

# Explorer<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, oz, 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  
**Display Extension Cable** ..... 83021083  
**Density Determination Kit** ..... 80253384  
**Security Device (Cable & Lock)** ..... 80850000  
**Security Device (Laptop Lock)** ..... 80850043  
**Interface Cable, USB (Type A to B)** .... 83021085  
**Second RS232 Kit** ..... 83021081  
**RS232 Cable and Adapter**  
**to 80251992 Printer** ..... 80252581  
**Ethernet Kit** ..... 83021082  
**External Rechargeable Battery Pack...** 30041295

**Foot Switch Kit** ..... 83021086  
**RS232 Cable, PC 25 Pin** ..... 80500524  
**RS232 Cable, PC 9 Pin.**..... 12106964  
**SF40A Impact Printer**..... 30064202  
**RS232 Cable SF40A Impact Printer** .... 12122603  
**STP103-EU Thermal Printer.**..... 80251993  
**SF40A Paper roll (57,5mm 2pcs)** ..... 12120799  
**SF40A Ink ribbon cassette** ..... 12120798  
**Adjustable Rolling Feet.**..... 30041470  
**OHAUS DAS Software** ..... 80253300  
**Extension Cable 9m.**..... 30078078

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