



Built for Precision, Powered by Innovation

The new Explorer (EXR series) offers an intuitive interface, outstanding weighing performance, and an environmentally friendly design. The new generation Explorer establishes a groundbreaking standard for laboratory operations.

Unique Features:

- **High Performance Weighing**

Achieve consistent results with built-in automatic calibration, touchless sensors and a ventilated weighing pan. Get reliable data with the digital high-speed load cell.

- **Refined User Experience**

An intuitive 7-inch glass touchscreen, digital leveling, and simplified data management is easy to use. With an effortless installation and chemical-protective design it ensures efficiency and comfort.

- **Effective Communication Options**

Supports HID connection to PC or keyboard without drivers, and provides 2-way communication with RS232, USB, Ethernet, Bluetooth, and WiFi for seamless data transfer.

EXPLORER™ Semi-Micro Balances

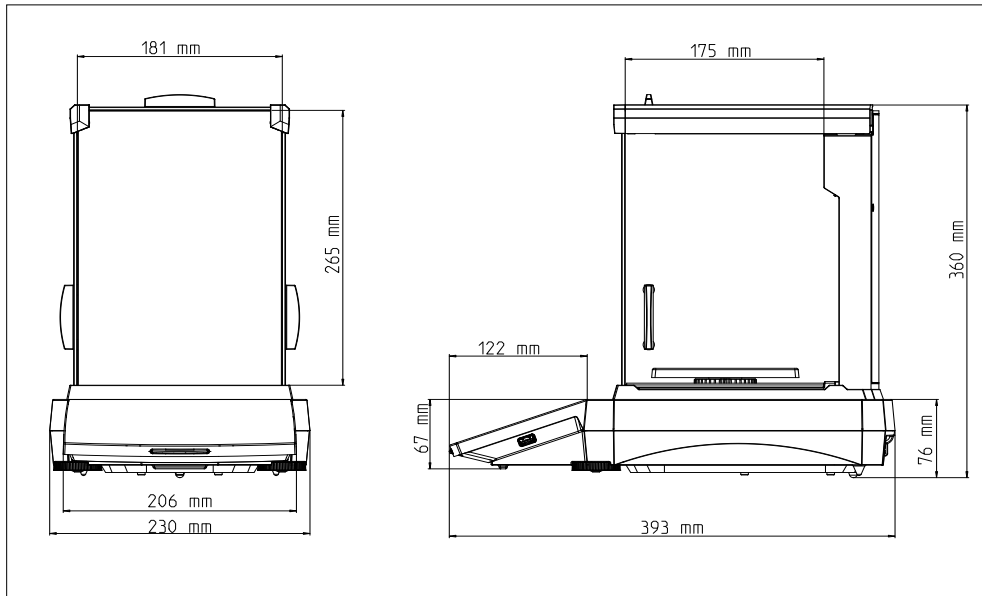
Specifications



| Model | EXR125D | EXR125 | EXR225D | EXR225 |
|--|---|---------|-----------------------|---------|
| Capacity | 82 g / 120 g | 120 g | 120 g / 220 g | 220 g |
| Readability d, Fine Range | 0.01 mg | 0.01 mg | 0.01 mg | 0.01 mg |
| Readability d, Full Range | 0.1 mg | 0.01 mg | 0.1 mg | 0.01 mg |
| Repeatability (sd.), ≤5% of Full Load Typical | 0.01 mg | 0.01 mg | 0.01 mg | 0.01 mg |
| Repeatability (sd.), 5% of Full Load to Fine Range Max | 0.02 mg | 0.02 mg | 0.02 mg | 0.02 mg |
| Repeatability (sd.), Fine Range Max to Full Range | 0.1 mg | 0.02 mg | 0.1 mg | 0.1 mg |
| Linearity Deviation Typical | 0.06 mg | 0.06 mg | 0.06 mg | 0.06 mg |
| Linearity Deviation | 0.2 mg | 0.1 mg | 0.2 mg | 0.1 mg |
| Span Calibration Points | 25g, 50g, 75g, 100g | | 50g, 100g, 150g, 200g | |
| Weighing Units | g, mg, ct, N, oz, ozt, Grain, dwt, mo, msg, tcl, tola, baht, Custom 1, Custom 2 | | | |
| Applications | Basic Weighing, Parts Counting, Check Counting, Percent Weighing, Check Weighing, Dynamic Weighing, Totalization, Formulation, Differential, Density Determination, Peak Hold | | | |
| Stabilization Time (typical) | 0.1 mg: ≤2 seconds, 0.01 mg: ≤ 5 seconds | | | |
| Sensitivity Temperature Drift (ppm/°C) | 0.8 | | | |
| Min-Weight (typical) (K=2, U=1%) | 2 mg | | | |
| Min-Weight (typical) (USP, K=2, U=0.10%) | 20 mg | | | |
| Min-Weight (optimal) (USP, K=2, U=0.10%, SRP≤0.41d) | 8.2 mg | | | |
| Terminal Display | 7-inch TFT 16.7M Color Touch Screen with Glass Overlay, Detachable Terminal | | | |
| Display Resolution | 800 x 480 Pixels | | | |
| Communication | USB Host (Type A) x 2, USB Device (Type C) x 1 Ethernet (RJ45) x 1, RS232 x 1; Optional Wi-Fi, Bluetooth Dongle | | | |
| Leveling System | 2 Leveling Feet with Digital Leveling Bubble | | | |
| Power Supply | AC Adapter Input: 100-240 VAC 0.5A 50-60 Hz AC Adapter Output: 12 VDC 1.5A | | | |
| Weighing Pan Size | Aero Pan 80mm x 80mm | | | |
| Touchless Sensor | 2 Touchless Sensors on the terminal | | | |
| Draftshield with anti-static coating | Standard | | | |
| Terminal Status Lights | Standard, 7-color Selectable | | | |
| Assembled Dimensions (W x D x H) | 230mm x 393mm x 370mm | | | |
| Shipping Dimensions (W x D x H) | 415mm x 630mm x 561mm | | | |
| Net Weight | 7.4 kg | | | |
| Shipping Weight | 10.2 kg | | | |

EXPLORER™ *Semi-Micro Balances*

Outline Dimensions




Approvals

- **Metrology:** OIML R76
- **Product Safety:** IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL 61010-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B, Basic Environments; FCC Part 15 Class A; Canada ICES-003 Class A


EXPLORER™ *Semi-Micro Balances*


Accessories


| | | |
|--|----------------|-------------------------------------|
|  | Item No. | 30944358 |
| | Accessory Name | Bluetooth Printer, Impact, SF40A/BT |


| | | |
|--|----------------|------------------------|
|  | Item No. | 30045641 |
| | Accessory Name | Printer, Impact, SF40A |


| | | |
|--|----------------|----------------------------------|
|  | Item No. | 31059239 |
| | Accessory Name | BT dongle and Wi-Fi dongle LM842 |


| | | |
|---|----------------|--------------------------|
|  | Item No. | 30130303 |
| | Accessory Name | Static Ionizer, ION-100A |

| | | |
|--|----------------|--------------|
|  | Item No. | 31059237 |
| | Accessory Name | Weighing Kit |

| | | |
|--|----------------|---------------------|
|  | Item No. | 80253384 |
| | Accessory Name | Density Kit, Solids |

| | | |
|---|----------------|------------------------------------|
|  | Item No. | 83034024 |
| | Accessory Name | Sinker, Glass, Liquid, Density Kit |

| | | |
|---|----------------|--------------------------------|
|  | Item No. | 12120799 |
| | Accessory Name | SF40A Paper roll (57,5mm 2pcs) |

| | | |
|--|----------------|---------------------------|
|  | Item No. | 12120798 |
| | Accessory Name | SF40A Ink Ribbon Cassette |

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With offices throughout
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ISO 9001:2015
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Management System

