

# Explorer<sup>®</sup> Semi-Micro Balances

| MODEL                            | EX125D  | EX125        | EX225D                | EX225D/AD             | EX225/AD              |
|----------------------------------|---|--------------|-----------------------|-----------------------|-----------------------|
| Capacity                         | 52 g / 120 g  | 120 g        | 120 g / 220 g         | 120 g / 220 g         | 220 g                 |
| Readability (d)                  | 0.01 mg / 0.1 mg  | 0.01 mg      | 0.01 mg / 0.1 mg      | 0.01 mg / 0.1 mg      | 0.01 mg               |
| Repeatability (20 g) (std. dev.) | 0.015 mg  |              |                       |                       |                       |
| Repeatability (100 g) std. dev.) | 0.1 mg  | 0.02 mg      | 0.02 mg / 0.1 mg      | 0.03 mg               |                       |
| Linearity                        | ±0.1 mg   |              |                       |                       |                       |
| Span Calibration Points          | 50 g<br>100g  | 50 g<br>100g | 100 g<br>150g<br>200g | 100 g<br>150g<br>200g | 100 g<br>150g<br>200g |
| Calibration                      | Standard AutoCal™, AutoCal on Δ1.5° temperature change, 3 hours   |              |                       |                       |                       |
| Automatic Door                   | n/a   |              |                       | Standard*             |                       |
| Weighing Units                   | g, mg, kg, ct, gn, oz, ozt, lb, dwt, N, mom, tical, msg, tola, baht, Hong Kong Tael, Singapore Tael, Taiwan Tael, Custom Units 1, Custom Unit 2, Custom Unit 3  |              |                       |                       |                       |
| Applications                     | Weighing, Parts Counting, Percent Weighing, Checkweighing, Dynamic Weighing, Filling, Totalization, Formulation, Differential Weighing, Peak Hold, Density Determination, Pipette Adjustment, Statistical Quality Control |              |                       |                       |                       |
| Stabilization Time               | 0.1 mg: ≤3 second, 0.01 mg: ≤8 second   |              |                       |                       |                       |
| Sensitivity Temp. Drift          | 0.50 ppm / °C   |              |                       |                       |                       |
| Min-Weight (typical)             | 20.0 mg, fine range (USP, u=0.10%, k=2)   |              |                       |                       |                       |
| Min-Weight (optimal)             | 9.0 mg, fine range (USP, u=0.10%, k=2) SRP≤0.41d**  |              |                       |                       |                       |
| Display                          | 5.7 in / 14.5 cm (diagonal) Full-Color touch screen   |              |                       |                       |                       |
| Interface                        | Standard connectivity: 1 USB host, 1 USB device, 1 RS232<br>Optional connectivity: 2 <sup>nd</sup> RS232, Ethernet  |              |                       |                       |                       |
| Working Environment              | 10°C – 30°C / 50°F – 86°F, 85% RH, non-condensing   |              |                       |                       |                       |
| Storage Conditions               | -14°F (10°C) to 140°F (60°C) at 10% to 90% relative humidity, non-condensing  |              |                       |                       |                       |
| Power Supply                     | AC Adapter Input: 100 – 240 VAC 0.6 A 50/60 Hz, AC Adapter Output: 12 VDC 1.5 A   |              |                       |                       |                       |
| Pan Size (diameter)              | 3.1 in / 80 mm  |              |                       |                       |                       |
| Dimensions (W × H × D)           | 9 × 15.5 × 13.8 in / 230 × 393 × 350 mm   |              |                       |                       |                       |
| Shipping Dimensions (W × H × D)  | 24.9 × 25.2 × 18.4 in / 632 × 640 × 467 mm  |              |                       |                       |                       |
| Net Weight                       | 15.4 lb / 7 kg  |              |                       | 16.5 lb / 7.5 kg      |                       |
| Shipping Weight                  | 26.5 lb / 12 kg   |              |                       | 27.8 lb / 12.6 kg     |                       |

\*\* Two motorized doors operated by 4 sensors or onscreen button

\*The value for SRP is the standard deviation for n replicate weighing's (n ≥ 10)

## Approvals

- **Product Safety:** CAN/CSA C22.2 61010-1, UL 61010-1, IEC 61010-1
- **Electromagnetic Compatibility:** FCC Part 15 (Class A), Industry Canada ICES-001 (Class A), IEC 61326-1, (Class B emissions, Industrial immunity)

## Accessories

|  |          |
|--|----------|
| ION-100A - Ionizer .....                         | 30130302 |
| Density Determination Kit .....                  | 80253384 |
| Sinker glass for Density Determination kit. .... | 83034024 |
| Full-featured Impact Printer SF40A .....         | 30064202 |
| SF40A Paper roll (57,5mm 2pcs) .....             | 12120799 |
| SF40A Ink ribbon cassette .....                  | 12120798 |
| RS232 cable, PC 9 Pin .....                      | 00410024 |
| USB cable (type A to B) .....                    | 83021085 |
| Second RS232 interface .....                     | 83021081 |
| Ethernet interface .....                         | 83021082 |
| Terminal extension cable (3m) .....              | 83021083 |
| Secondary display PAD7 .....                     | 80251396 |
| Security device (Cable & lock) .....             | 80850000 |
| Security device (Laptop lock) .....              | 80850043 |
| Terminal in-use cover .....                      | 83033633 |
| Dust cover .....                                 | 30093334 |

