



Explorer[®]

Semi-Micro Balances

TECHNICAL ADVANTAGES

Authorised OHAUS Australia Dealer
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Built for Sophisticated, Professional Weighing.

When laboratory work and research requires accuracy to the hundred-thousandth, there is simply no room for error. The Explorer series of semi-micro balances has been designed with the technology to ensure that your very specific weighing results are accurate. Sophisticated laboratories requiring accuracy and looking for innovative technology to obtain measurement results can find both in Explorer semi-micro balances.

Standard Features Include:

- **Intelligent Performance for Applications Requiring Extreme Accuracy**—The semi-micro Explorer series, which includes models with capacities up to 220g and resolutions up to 0.01mg, has been designed to use a High Speed Single Module weighing cell to ensure the accuracy of results. To minimize weighing errors and ensure accurate measurements, AutoCal™ utilizes two internal weights to perform a linear calibration.
- **Intuitive Software Provides an Extremely Modern User Experience**—Powered by SmarText™ 2.0 software, Explorer operates in the same manner as common electronics, with an icon-based touchscreen display, advanced applications, memory library, a USB host port, and more.
- **Ingenious Construction Designed to Enhance Usability**—Among Explorer's features designed to improve user experience and ensure the integrity of results include touchless sensors, automatic draftshield doors, an ionizer, and more.

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MODEL	EX125D	EX125	EX225D	EX225D/AD	EX225/AD				
Capacity	52g/120g	120g	120g/220g	120g/220g	220g				
Readability d	0.01mg / 0.1mg	0.01mg	0.01mg / 0.1mg	0.01mg / 0.1mg	0.01mg				
Repeatability (20g) (std. dev.)	0.015mg								
Repeatability (100g) (std. dev.)	0.1mg	0.02mg	0.02mg / 0.1mg		0.03mg				
Linearity	±0.1mg	±0.1mg	±0.1mg	±0.1mg	±0.1mg				
Span Calibration Points	50g 100g	50g 100g	100g 150g 200g	100g 150g 200g	100g 150g 200g				
Calibration	Standard AutoCal™, AutoCal on Δ1.5° temperature change, 3 hours								
Automatic Door	n/a			Standard*					
Weighing Units	g, mg, ct								
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	0.1mg: ≤3 second, 0.01mg: ≤8 second								
Sensitivity Temp. Drift	0.50 ppm / °C								
Min-Weight (typical)	20.0mg, fine range (USP, u=0.10%, k=2)								
Min-Weight (optimal)	9.0mg, fine range (USP, u=0.10%, k=2) SRP≤0.41d**								
Display	14.5 cm (diagonal) Full-Color touch screen								
Interface	Standard connectivity: 1 USB host, 1 USB device, 1 RS232 Optional connectivity: 2 nd RS232, Ethernet								
Working Environment	10°C – 30°C / 50°F – 86°F, 85% RH, non-condensing								
Storage Conditions	-10°C – 60°C at 10% to 90% RH, non-condensing								
Power Supply	AC Adapter Input: 100 – 240 VAC 0.6A 50-60 Hz, AC Adapter Output: 12 VDC 1.5A								
Pan Size	Ø 80 mm								
Dimensions (W×H×D)	230 × 393 × 350 mm								
Shipping Dimensions (W × H × D)	632 × 640 × 467 mm								
Net Weight	7kg		7.5kg						
Shipping Weight	12kg		12.6kg						

*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

- **Metrology:** OIML R76, EN 45501(Class I, nmax 320000)
- **Product Safety:** EN 61010-1, IEC 61010-1
- **Electromagnetic Compatibility:** IEC 61326-1, EN61326-1 (emissions Class B, immunity Industrial requirements)

Accessories

Second RS232 Interface	83021081	Cable kit to connect Dot Matrix Printer.	80252571
Ethernet Interface	83021082	Paper for Dot Matrix Printer	80251932
Terminal Extension Cable	83021083	Ink Ribbon for Dot Matrix Printer	80251933
Interface Cable USB	83021085	RS232 Cable, PC 9 Pin	80500525
Density Determination Kit	80253384	USB Extension Cable	30215156
Security Device Kit	80850043	ION-100A Ionizer	30095929
Dot Matrix Printer	SF-40A	Dust Cover	30093334

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