



Explorer® NTEP Certified and Measurement Canada Approved Analytical and Precision Balances



The Most Intelligent and Intuitive Balance Ever to Come from the Mind of OHAUS!

The OHAUS Explorer features SmarText™ 2.0, our user-friendly application-based graphical software platform in concert with a redesigned antistatic draftshield, enhanced weighing performance, and a flexible modular display that detaches from the weighing base. Ingeniously striking a balance between cutting-edge technology and functional design, the Explorer delivers accurate performance, that will improve your efficiency in the lab.

Features Include:

- **Intelligent Performance** – All Explorers have newly optimized linearity and repeatability specifications and enhanced vibration filtering for better balance stability. All models also come standard with AutoCal™ automatic internal calibration. These combined enhancements improve accuracy, efficiency, and throughput.
- **Intuitive Operation** – A large color touch-screen display, icon-driven application software that features 14 unique application modes, and an adjustable angle display make Explorer the easiest to use, most advanced balance in its class today.
- **Ingenious Design** – The base and terminal separate for maximum flexibility in any work area. The design also isolates the weighing chamber to enhance stability and speed results. Draftshield models feature an oversized chamber with a new quick remove design, enhanced with a unique anti static system.
- **Practical Features** – Explorer has four user-programmable touch free sensors to minimize cross contamination and button wear. The NTEP and Measurement Canada Approved Explorer meets or exceeds Class I or II accuracy requirements.

Other Standard Features & Equipment:

Menu lock switch, security bracket, integral weigh below hook for below balance weighing applications, removable stainless steel weighing platform, stability indicator, overload and underload indicators, auto standby, powered by an energy efficient adapter for a better environment.

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Specifications

Model	EX224N	EX324N	EX423N	EX1103N	EX4202N	EX10202N	EX10201N
Capacity (g)	220	320	420	1100	4200	10200	10200
Readability d (g)	0.0001		0.001		0.01		0.1
Approved Readability e (g)	0.001		0.01		0.1		0.1
Repeatability std (g)	0.0001		0.001		0.01		0.1
Linearity (g)	±0.0002		±0.002		±0.02		±0.1
Stabilization Time (sec)	≤2	≤3	≤1.5		≤1		
Class	I	I	II	I	II	I	I
Weighing Applications	Weighing, Percent Weighing, Parts Counting, Check Weighing, Dynamic/Animal Weighing, Filling, Totalization, Formulation, Differential Weighing, Density Determination, Peak Hold, Ingredient Costing, Pipette Adjustment, SQC						
Weighing Units	Gram, Milligram, Kilogram, Carat, Ounce, Ounce Troy, Pound, Pennyweight, Grain						
Calibration	AutoCal™ internal calibration, external calibration						
Tare Range	To capacity by subtraction						
Power Requirements	AC Adapter Input: 100-240 VAC 0.6A 50-60 Hz						
Display Type	Full-color VGA graphic display, 4-wire resistive touch screen						
Display Size	5.7 in / 145 mm (diagonal)						
Display Housing Dimensions (W × D × H)	7.7 × 6.1 × 2.7 in / 195 × 155 × 68 mm						
Base Housing Dimensions (W × D × H)	9.1 × 10.2 × 13.8 in / 230 × 260 × 350 mm				9.1 × 10.2 × 3.9 in / 230 × 260 × 98 mm		
Communication	RS232, USB						
Operating Temperature Range	50°F (10°C) to 86°F (30°C)						
Operating Humidity Range	15% to 80%						
Storage Conditions	-14°F (-10°C) to 140°F (60°C) at 10% to 90% relative humidity, non-condensing						
Pan Size	Ø 3.5 in / 90 mm		Ø 5.1 in / 130 mm		7.5 × 7.9 in / 190 × 200 mm		
Net Weight	15.2 lb / 6.9 kg			16.5 lb / 7.5 kg	9.5 lb / 4.3 kg	11.0 lb / 5.0 kg	
Shipping Weight	21.3 lb / 9.7 kg			22.7 lb / 10.3 kg	15 lb / 6.8 kg	16.5 lb / 7.5 kg	
Shipping Dimensions	22 × 15.5 × 22 in / 56 × 39.5 × 56 cm				22 × 15.5 × 12 in / 56 × 39.5 × 30.5 cm		

Compliance

- Quality:** All OHAUS Explorer® balances are manufactured under an ISO 9001:2008 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all OHAUS products for over a century.
- Weights & Measures:** The OHAUS Explorer EX...N series of balances meet or exceed the Class I or II accuracy requirements in accordance with NIST Handbook 44 and Canada's Weights and Measures Regulations. Certificate of Conformance Number 12-012 was issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures. Notice of Approval AM-5847 was issued by Measurement Canada, an Agency of Industry Canada.
- Safety:** Explorer balances have been certified by CSA to meet the requirements of the CAN/CSA-C22.2 No. 61010-1-04 and UL 61010-1 standards.
- EMC:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules and the Canadian ICES-003.

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*With offices throughout Europe,
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