

Explorer delivers accurate results within seconds, improving operator efficiency, productivity and throughput, with a stabilization time up to 50% faster. Features include Fast stabilization time - Intuitive SOFTWARE - Ingenious DRAFTSHIELD - Practical TOUCHLESS SENSORS - ntelligent calibration and more





Capacity x Readability 120 g x 0.1 mg Pan Size

3.5 in (Diameter)

Manufature: Ohaus SKU: EX124 UPC: B0188W5XGM Weight: 16.00 lb Free Ground Shipping within the 48 continental US States

Please Call (800)832-0055

Features

Explorer delivers accurate results within seconds, improving operator efficiency, productivity and throughput, with a stabilization time up to 50% faster.

- Fast stabilization time
 - Improves operational efficiency
 - Increases throughput
 - Improves productivity
- Optimized linearity and repeatability specifications
- Provides accurate and repetitive results
- Superior vibration filtering
 - Provides balance stability in unstable environments

Intuitive SOFTWARE

SmarText™ 2.0 is OHAUS' easy-to-use graphical software featuring 14 applications, QWERTY and numeric keypads, and below-minimum weight indication.

- Color VGA display with icons for simple menu navigation
- High resolution, 5.7 in (145 mm) color TFT display reproduces highly readable operating software
 Resistive touch screen display quickly responds to operator's touch or stylus
 14 built-in applications with customization capabilities to meet the varying needs in laboratory and industrial settings
- Minimum Weight capability with visual warning feature
 QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data
 User Manager with administrator capability
 Library function to store and recall customized applications
- Alternate RS232 command feature adapts the balance to existing data acquisition software
 External input for zero, tare or print operations via the external foot switch accessory
- Audible and visual feedback for button presses as well as the indication of the check weighing status

The all-new Explorer® Series of Analytical and Precision balances — a product so extraordinary, it's like nothing you've seen before!

Ingenious DRAFTSHIELD

Explorer's draftshield provides ample access and visibility to the weighing chamber and features antistatic coated glass

- Frameless, flip-top design provides unobstructed access to the weighing chamber
 The expansive side entry 6.3 x 9.4 in (160mm x 240mm) allows you to freely place and remove large weigh boats or other large vessels in the weighing chamber
 Antistatic coated glass helps dissipate static charges in the weighing chamber that could adversely affect the weighing results
- Side doors seamlessly glide on top-mounted bearings, helping to prevent any potential bind up when balance is left uncleaned
 Easy to install and remove glass panels and a stainless steel bottom make Explorer extremely easy to clean
 A draftshield chamber light is available when the balance is used in low-lighting environments

Practical TOUCHLESS SENSORS

Explorer features four touchless sensors for hands-free operation of print, calibration, tare, and other selectable functions

- Hands-free operation
 - Improves weighing efficiency
 - Eliminates sample residue transfer
 - Minimizes contamination
- Two sensors on the base and two on the display can be set up individually to allow for remote operations

Completely re-imagined from the ground up, the OHAUS Explorer® rises to a whole new level.

Intelligent calibration

AutoCal™ ensures performance and assists with routine maintenance by automatically calibrating the balance daily

- Fully-automatic internal calibration system
- No need for external masses
- Eliminates cost to maintain external weights
- Self-calibrates the system when it senses a temperature change sufficient enough to affect weighing accuracy, or every 11 hours

Intuitive user setup

Explorer is the industry's most easy-to-use balance, featuring leveling assistance and instructional messaging for quick out-of-the-box setup and use.

- Easy to view illuminated level indicator placed at the front of the balance
- Adjustable thumbwheels are easy to turn to level the balance
 Level assist screen helps users to quickly identify which thumbwheels need to be adjusted to level the balance
- Data Transfer Function helps to output data directly into Microsoft Excel
- Instructional messaging during applications use guides users through the weighing process

- User information menu allows users to quickly view and learn more about the available balances features
- Up to 11 operating languages make Explorer's Intuitive User Setup truly universal

The Explorer® is a revolutionary shift in the way users interact and operate a weighing instrument, all based on our ingeniously practical design philosophy

Ingenious modular design

Explorer's modular design features a color touch display that can be separated from the weighing base.

- Display features

 - Angular adjustment to optimize viewing
 Easy access communication ports including standard USB and RS232 and an optional third port of either RS232 or Ethernet
 Left and right side cable exit feature for customized installation capability
 Tower and wall mount ready for modular installation

 - In-use cover for protection against rugged use
 - Extension cable accessory extends remote use up to 10 feet
- Base features:
 - QuadraStance™ design with four adjustable thumbwheels provides superior stability
 Robust die-cast metal bottom housing
 Accessory tower mount ready for modular installation
 - Cable storage system

Practical approvals*

Explorer is designed and engineered to meet stringent NTEP requirements for use in legal applications such as pharmacies, jewelry stores and retail outlets.

The Explorer has been designed to meet or exceed the Class I and II accuracy requirements in accordance with the National Institute of Standards and Technology (NIST) Handbook 44. In addition to being designed to meet or exceed the Class I and II accuracy requirements for a prescription balance, the Explorer will also be approved for Counting for Prescription Filling. Explorer will make it easy to comply with the regulations requiring that an approved balance be installed in every operating pharmacy.

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 STAR® qualified adapter for a better environment.

Applications

The OHAUS Explorer's advanced applications simplify even the most complex laboratory measurements. Whether it's determining the difference between initial and residual weights or calculating the density of solids and liquids.

Explorer eliminates the need for time-consuming manual calculations and data logging. The high resolution display and innovative user interface make balance setup and application use effortless

Weighing - Determine the weight of items in the selected unit of measure. Minimum Weight feature is also available

Weighing - E Percent Wei Dynamic We Totalization Differential N Peak Hold - Parts Count Pipette Adju Check Weig Filling - Fill a Formulation Density Dete Ingredient C SQC - Monite	ghing - Meas lighing - Wei - Measure cu Weighing - S Capture and ing - Count s sistment - Che hing - Compo a container to ermination - costing - Dete	sure the weig igh an unstatumulative wei tore sample vatore highest amples of uneck pipette varie the weigh a target weig unding and rebetermine deemine cost o	ht of a sample lole load. Balar ght of multiple weights and considering weight in a soliform weight. Alues by weight of a sample ght. Progress ecipe making. Ensity of solide of formula or reference to the sample progress.	e displayence takes e items. Chalculate the eries. Bot Choose Shall against tabar displate The num is more deecipe bas	ed as a per an averag iumulative he differen h stable au Standard C s, with buil arget limits ays filling s bays fill	centage e of we total ma ice betwe nd unsta counting t-in wate . Choos tatus iponent vater, so wn cost	e of a pre-e ights over a ay exceed I reen initial able weight Check Co er density t e from Sta	established a time period Balance ca weights and sare captuounting, or leable and ard, Non two to \$200.	Reference \ od. pacity d final weigh red Fill Counting ninal-weight	Weight nts 3 ., or Nomina						
Specification	ıs															
Model	EX124	EX224	EX324	EX223	EX423	EX623	EX1103	EX2202	EX4202	EX6202	EX10202	EX6201	EX10201	EX12001	EX24001	EX360
Automatic Door External Calibration	EX124/AD -	EX224/AD -	EX324/AD -	- EX223/E	- EX423/E	-	-	- EX2202/E	- EX4202/E	- EX6202/E	-	- EX6201/E	-	-	-	-
Certified Models	EX124N/AD	EX224N EX224N/AD	EX324N EX324N/AD	-	EX423N	-	EX1103N	-	EX4202/E	-	EX10202N	-	EX10201N	-	-	-
Capacity (g)	120	220	320	220	420	620	1100	2200	4200	6200	10200	6200	10200	12000	24000	3500
Readability (g)		0.0001			0.0	01			0.	.01				0.1		
Repeatability std (g)	±0.0001			±0.001			±0.01						±0.1			
Linearity (g)		±0.0002			±0.0	02			±C	0.02				±0.2		
Stabilization Time (sec)																
Pan Size	Ø	3.5 in / 90 m	m	Ø 3.5 in / 90 mm				7.5 x 7.9 in / 190 x 200 mm						14.84 × 12.24 in / 377 × 3° mm		
Weighing Applications	Weighing, P	ercent Weigh	ning, Parts Co	ounting, C	heck Weig				ing, Filling, ⁻ Pipette Adj			n, Different	ial Weighing	, Density D		ion, Pea
Weighing Units	Gram, Milligram, Kilogram, Carat, Ounce, Ounce Troy, Pound, Pennyweight, Grain, Newton, Momme, Mesghal, Hong Kong Tael, Singapore Tael, Taiwan Tael, Tical, Tola, Baht, 3 Custom Units															
Calibration	AutoCal™ on 5°C temperature change, 11 hours, and external calibration															
Tare Range							Т	o capacity	by subtracti	on						
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 r	nm (diagon	al)						
Display Housing Dimensions (W x H x D)							7.7 x 3.	5 x 6.0 in /	195 x 90 x	154 mm						
Base Housing Dimensions (W x H x D)		9.1 x 13	.8 x 15.5 in / :	230 x 350	x 393 mm	1			9.1 x 3.	9 x 15.5 in	/ 230 x 98 x	393 mm			.72 × 17.4 20 × 443	

Standard RS232, USB, Optional Ethernet or 2nd RS232 Communication

Operating

Temperature 50°F (10°C) to 86°F (30°C) Range

Operating 80% max up to 86°F/30°C decreasing linearly to 50% at 104°F/40°C, non-condensing **Humidity Range**

Storage Conditions Net Weight

-14°F (-10°C) to 140°F (60°C) at 10% to 90% relative humidity, non-condensing 9.5 lb / 4.3 kg

15.2 lb / 6.9 kg 21.1 lb / 9.6 kg 11 lb / 5 kg

22 lb / 10 kg

15 lb / 6.8 kg 16.3 lb / 7.4 kg 25.8 lb / 12.5 kg

Shipping Weight Shipping Dimensions

21 x 15 x 21 in / 55 x 38.5 x 55.1 cm

21 x 15 x 12 in / 55 x 38.5 x 29.1 cm

26.18 × 20.67 × 13.00 in / 665 × 525 × 330 mm

Dimensions

i81u812

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