



## Ohaus EX124 Explorer Analytical Balance (83021331) - 120 g x 0.1 mg

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 - Intelligent calibration and more



### Capacity x Readability

120 g x 0.1 mg

### Pan Size

3.5 in (Diameter)

Manufacture: 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

Specifications																
Model	EX124	EX224	EX324	EX223	EX423	EX623	EX1103	EX2202	EX4202	EX6202	EX10202	EX6201	EX10201	EX12001	EX24001	EX36001
Automatic Door	EX124/AD	EX224/AD	EX324/AD	-	-	-	-	-	-	-	-	-	-	-	-	-
External Calibration	-	-	-	EX223/E	EX423/E	-	-	EX2202/E	EX4202/E	EX6202/E	-	EX6201/E	-	-	-	-
Certified Models	EX124N/AD	EX224N/AD	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	35000
Readability (g)	0.0001				0.001				0.01				0.1			
Repeatability std (g)	±0.0001				±0.001				±0.01				±0.1			
Linearity (g)	±0.0002				±0.002				±0.02				±0.2			
Stabilization Time (sec)																
Pan Size	Ø 3.5 in / 90 mm				Ø 3.5 in / 90 mm				7.5 x 7.9 in / 190 x 200 mm				14.84 × 12.24 in / 377 × 311 mm			
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, 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	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 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								9.1 x 3.9 x 15.5 in / 230 x 98 x 393 mm				14.84 × 4.72 × 17.44 in / 377 × 120 × 443 mm			
Communication	Standard RS232, USB, Optional Ethernet or 2nd RS232															
Operating Temperature Range	50°F (10°C) to 86°F (30°C)															
Operating Humidity Range	80% max up to 86°F/30°C decreasing linearly to 50% at 104°F/40°C, non-condensing															

Storage Conditions	-14°F (-10°C) to 140°F (60°C) at 10% to 90% relative humidity, non-condensing			
Net Weight	15.2 lb / 6.9 kg	9.5 lb / 4.3 kg	11 lb / 5 kg	22 lb / 10 kg
Shipping Weight	21.1 lb / 9.6 kg	15 lb / 6.8 kg	16.3 lb / 7.4 kg	25.8 lb / 12.5 kg
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 x 20.67 x 13.00 in / 665 x 525 x 330 mm
Dimensions				

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