



EXPLORER[®]

Analytical, Precision, and High Capacity Balances



Flagship Balances from OHAUS

The OHAUS Explorer Series of analytical balances combine modern features and design elements to offer unmatched functionality in a line of high-performance balances unlike any other on the market. These smart and intuitive balances and all of their intelligent features simplify even the most complex laboratory measurements.

Unique Features Include:

- Equipped with a weighing cell that's precision-machined from a solid metal block, Explorer balances are extremely accurate and durable, and are ideal for laboratory and industrial environments.
- Features such as four-level user management with password protection, and un-editable system log plus a high level of configurability make Explorer balances well suited for regulated applications.
- A detachable terminal with a large color touchscreen, programmable IR sensors, automatic doors, and a frameless draftshield make Explorer analytical balances easy and convenient to use.

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Intelligent PERFORMANCE

With stabilization times up to 50% faster and superior shock protection, Explorer delivers fast, accurate, and reliable results.

- **Fast stabilization time**
 - Improves operational efficiency
 - Increases throughput
 - Improves productivity
- **Optimized linearity and repeatability specifications**
 - Provides accurate and repeatable results
- **Optimized vibration filtering**
 - Provides balance stability in unstable environments
- **Superior Shock, Spill and Splash Resistance**
 - 2-D Protection guards balance against disruptions in service due to shock or sudden movements. IP54 base enclosure protects the weighing base from damage by debris and accidental spills and splashes.*

**High Capacity Models Only*



Intuitive SOFTWARE

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

- **Color VGA display with icons for simple menu navigation**
 - High resolution, 5.7" (145mm) diagonal color 640 × 480 pixel 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**
- **Virtual QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data, direct scan of the sample ID to the input field with an optional barcode reader.**
- **Password protected User Manager with administrator capability**
- **Library function to store and recall customized applications including 10 recipes for Formulation application.**
- **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 touch screen input commands as well as the indication of the check weighing status**

**13 application modes on Explorer High Capacity models*



Ingenious DRAFTSHIELD

Explorer's draftshield provides ample access and visibility to the weighing chamber through the versatile top door and side sliding doors. Select models feature motorized side doors that open and close automatically with use of the touchless sensors on the base and display.

- The automatic draftshield door models have a new function for automatically opening draftshield doors without touching the balance. It helps to eliminate sample residue transfer and contaminations.
- Side doors seamlessly glide on top-mounted bearings
- The versatile top door offers two entry options; access the weighing chamber by flipping the top door or sliding the glass panel open.
- The expansive side entry 6.3" × 9.4" (160 mm × 240 mm) 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 which could adversely affect the weighing results
- 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 up to four touchless sensors for hands-free operation of zero, print, calibration, tare, automated draftshield doors 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
- The sensors can be set up to provide automated operation of the draftshield side doors and can be programmed to automatically open the opposite side door in order to support efficient and logical sample placement with your free hand.



**Analytical and precision models only.*

Automatic Draftshield door operation only offered on Analytical models

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Intelligent CALIBRATION

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

- Self-calibrates the system when it senses a temperature change sufficient enough to affect weighing accuracy, or every 3-11 hours, depending on the user configuration
- Performs routine calibration and reduces the need for external masses
- External Calibration Models Available—
All models feature traditional external calibration in which external weights (user's choice of calibration weight values) are required to calibrate the balance to ensure accuracy

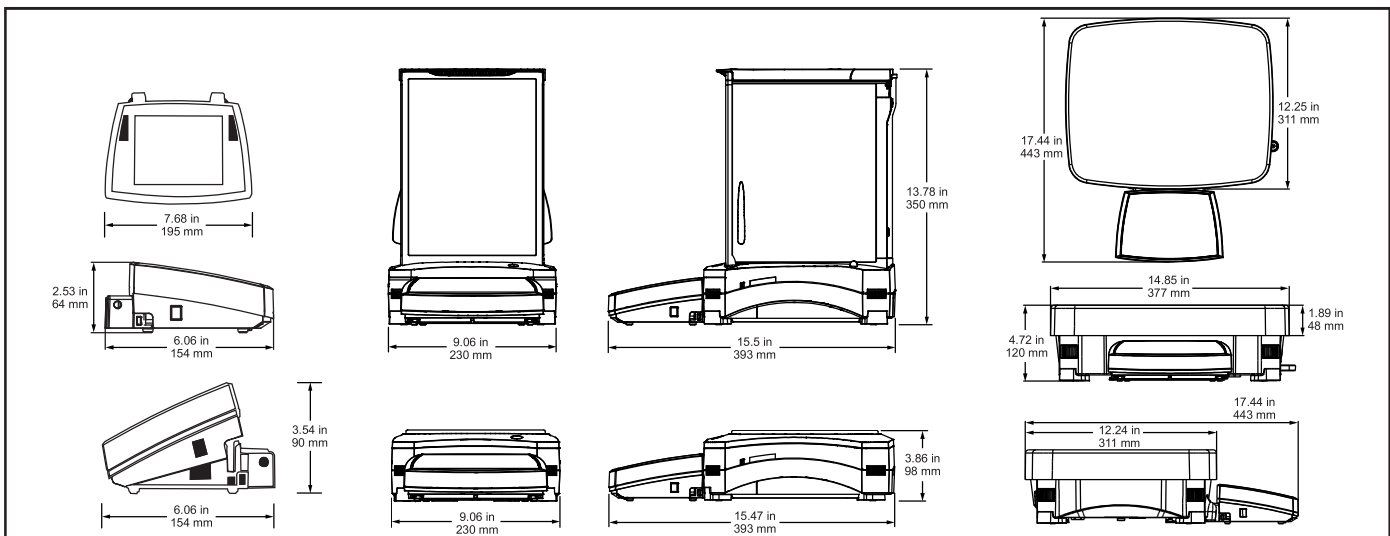
Intuitive USER SETUP

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 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 application use guides users through the weighing process
- User information menu allows users quickly view and learn more about the available balances features
- Up to 14 operating languages make Explorer's Intuitive User Setup truly universal



Dimensions



Ingenious MODULAR DESIGN

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

- **Display features:**

- 3 position, angular adjustment to optimize viewing
- Easy access communication ports include standard USB and RS232 and an optional third port for 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 27 feet (9 meters)



- **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 underneath base keeps excess cables manageable



- **Adjustable rolling feet accessory allows for simple and quick movement and relocation of the balance****

**Tower mount sold separately*

***High capacity models only*

Practical APPROVALS

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.

Other Standard Features & Equipment:

Menu lock switch, security bracket, integral weigh below hook for below balance weighing applications, removable stainless steel weighing pan, stability indicator, overload and underload indicators, auto standby.

