





## Intuitive Balances Designed for Routine Weighing

Striking the ideal balance between inventive features and functional, uncomplicated weighing capabilities, the OHAUS Adventurer incorporates all of the applications necessary for routine weighing and measurement activities. With a color touchscreen, three level user management to fulfill GLP/GMP compliance capabilities, two USB ports, and much more, Adventurer is the most complete balance in its class.

#### **Unique Features Include:**

- Adventurer balances feature a color touchscreen, icon-based user interface, and an ergonomic design -making them easy to configure and use.
- Features such as specialized weighing modes, multiple connectivity options, and AutoCal<sup>™</sup> provide versatility and flexibility for a variety of applications.
- Durable construction, large weighing surfaces, a space-saving draftshield design, and full housing in-use cover allow for use in lab, education and industrial environments.

## Stability, Accuracy, and Fast Operation Ensure **Optimal Weighing Results in Routine Weighing Tasks**

#### **Weighing Performance**

 Delivers stable and reliable weighing results for routine weighing tasks

#### **Stabilization Time**

Adventurer's fast stabilization time improves productivity in the laboratory

#### Calibration

- AutoCal<sup>™</sup> Selected models feature OHAUS' automatic internal calibration system that performs routine maintenance by calibrating the balance daily
- External Calibration Traditional calibration in which the operator manually calibrates the balance with their choice of calibration weight value to ensure accuracy available on every model

## **Color Touchscreen Offers Easy and Fast Operation** of Adventurer's Applications

- Operate and access Adventurer's nine application modes and abundant features that eliminate the need to do several manual calculations through the modern color touchscreen
- Operators can wear laboratory gloves while utilizing the touchscreen, eliminating the inconvenience and hazards associated with constantly putting on and removing gloves
- In addition to the touchscreen, Adventurer also has six mechanical keys that provide tactile feedback and allow the operator to perform repetitive operations such as tare, zero, calibration, and print





## **Application Modes**



Weighing Determine the weight of items in the selected unit of measure.



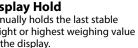
Parts Counting Count samples of uniform weight.



**Dynamic Weighing** Weigh an unstable load. Scale takes an average of weights over a period of time.



**Display Hold** Manually holds the last stable weight or highest weighing value on the display.





**Density Determination** Determine density of solids or liquid. With the weigh below hook, it's possible to perform specific gravity tests for objects that cannot be easily placed on the weighing pan.



**Totalization / Statistics** Measure cumulative weight of multiple items. Cumulative total may exceed balance capacity.



Percent Weighing Measure the weight of a sample displayed as a percentage of a preestablished Reference Weight.



Check Weighing Compare the weight of a sample against target limits.



Formulation For compounding and recipe making. The number of components can



**Batch Printing** 

Combine multiple samples into one printout rather than printing them one at a time.

## Equipped with the Connectivity and Functional Features Required in Laboratories

#### **Dual USB Ports**

- A front USB host port is easily accessible and makes it simple to load data from the balance on to a flash drive without having to reach around to the back or move the balance
- A second USB device is located at the rear of the balance that can be used to connect the balance to a PC
- The connectivity options help meet traceability requirements in traditional installations

#### **Label Printing Function**

• Easy to link with Zebra printer and have one built-in label printing template

#### **Balance Profiles**

• The cloning feature allows you to save user and application settings to a USB flash drive which can be easily used to configure additional Adventurer balances

#### **Below Minimum Sample Weight Indication**

• When using the minimum weight feature, the display clearly indicates that your current sample weight is below your defined minimum limit. Simply increase your sample weight to assure that your results are up to your standard

## Space-saving Draftshield Designed to Improve User Experience and Accessibility

- Draftshield doors are constructed of two glass panels, reducing the space required on the lab bench when the doors are open
- Wide door entry provides unobstructed access and allows larger weighing vessels to be easily placed on the pan, reducing the chance of accidental spillage
- Easy to keep clean in order to ensure a safe workspace by minimizing contamination

## **Power Saving Functions**

• The Adventurer is designed with various power-saving features that help reduce the environmental impact. These include auto-off and brightness controls.

## User Management Function ensures data security and data traceability

- 3 level user management function ensures data security and data traceability requirements
- One administrator, two supervisors and 10 users have preset accessibility in the software

## **Real Time Clock with GLP/GMP Data**

- A real-time clock function keeps accurate time even during power loss
- GLP data capability has the ability to record Sample name, Project names and Balance IDs to help meet traceability and compliance requirements







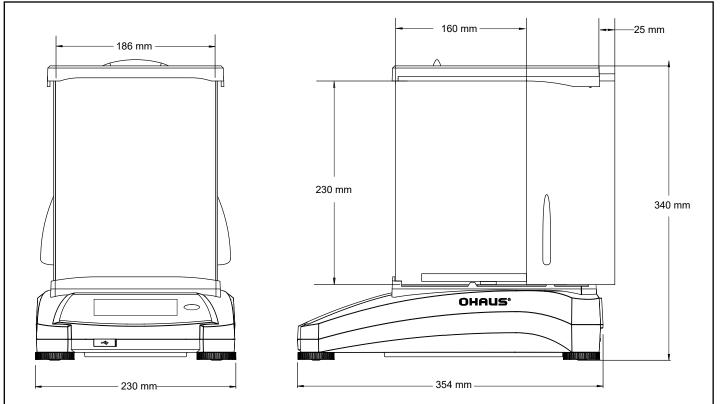


## Specifications

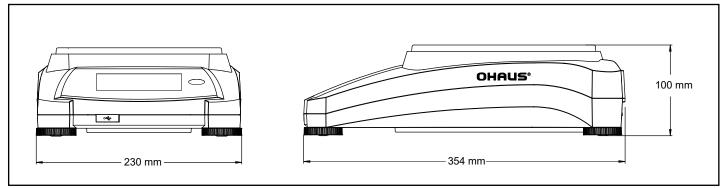
Model       External Calibration       Approved Models       Capacity (g)       Readability d (g)       Verification Interval* e (g)       Class*       "Repeatability (sd.), <5% of Full Load (g)"
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to Fine Range Max (g)
Repeatability (sd.), 5% of Full Load
to Full Range (g)
Linearity Deviation, Typical (g)
Linearity Deviation (g)
Stabilization Time (sec)
Sensitivity Drift (ppm/°C)
Min-Weight (Typical) (g) (USP, K=2,
U=0.10%)
"Min-Weight (Optimal) (g)
(USP, K=2, U=0.10%, SRP≤0.41d)**"
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Weighing Units, Approved Models
Weighing Applications
Pan Size
Calibration
Tare Range
Power Requirements
-
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Communication
Temperature Range
Humidity Range
Storage Conditions
Shipping Dimensions
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## **Outline Dimensions**

0.1 and 1mg Models



#### 0.01 and 0.1g Models



### **Additional Features**

RS232 interface, integrated weigh below hook, full housing in-use cover, removable stainless steel pan, die-cast metal bottom housing, security bracket, illuminated up-front level indicator, four adjustable feet, software lockout menus, stability indicator, software overload/underload indicators, user selectable environmental settings, audible indicator, user selectable brightness settings, auto dim, auto-standby, auto-off, touchscreen calibration, auto tare, user selectable operating language (14), compatible interface command with MT-SICS and ST protocol

#### Compliance

Metrology (AX...M... models only): OIML R76; EN 45501 Product Safety: IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL 61010-1 Electromagnetic Compatibility: IEC/EN 61326-1(Class B, basic requirements); FCC Part 15 Class A, Canada ICES-003 Class A Compliance Marks: CE, UKCA, CSA Other: WEEE, RoHS

#### Accessories

Printer, Impact, SF40A, EU	. 30064202
Auxiliary Display, AD7-RS	. 30472064
Density Determination Kit	. 80253384
Cable, USB Interface (Type A to B)	. 83021085
Security Device (Laptop Lock)	. 80850043
RS232 Cable, PC 9 Pin	. 80500525
Static Ionizer, ION-100A, EU	. 30095929

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The management system governing the manufacture of this product is ISO 9001:2015 certified.

