

## Ohaus Adventurer Analytical Balances

Striking the balance between inventive features and functional, easy weighing capabilities, the OHAUS Adventurer range incorporates all the applications necessary for routine weighing and measurement activities.

### Unique features:

- ◆ Adventurer balances feature a colour touchscreen, icon-based interface, and an ergonomic design, making them easy to configure and use
- ◆ Features such as specialised weighing modes, multiple connectivity options and AutoCal™ 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 and industrial sectors



### Stability, accuracy, and fast operation ensure optimal weighing results in routine weighing tasks:

- ◆ Delivers stable and reliable weighing results for routine weighing tasks
- ◆ Adventurer's fast stabilisation time improves productivity in the laboratory
- ◆ AutoCal™ - 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

## Colour touchscreen offers easy and fast operation of Adventurers applications:

- ◆ Operate and access Adventurer's nine application modes and abundant features that eliminate the need to do several manual calculations through the modern colour touchscreen
- ◆ Operators can wear laboratory gloves while utilising the touchscreen, eliminating the inconvenience and hazards associated with removing and putting on 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 selected unit of measure.



#### Parts Counting

Count samples of uniform weight.



#### Percent Weighing

Measure the weight of a sample displayed as a percentage of a pre-established reference weight.



#### Dynamic Weighing

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



#### Check Weighing

Compare the weight of a sample against target limits.



#### Density Determination

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



#### Display Hold

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



#### Totalisation / Statistics

Measure cumulative weight of multiple items. Cumulative total may exceed balance capacity.



#### Formulation

For compounding and recipe making. The number of components can range from 2 to 50.

## Equipped with connectivity and functional features required in laboratories

### Dual USB ports

- ◆ A front USB host port is easily accessible, making it simple to load data from the balance onto a flash drive without having to reach around 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



### Real-time clock with GLP/GMP data

- ◆ A real-time clock function keeps accurate time, even during power loss
- ◆ GLP data capability records sample name, project names and balance IDs to meet traceability and compliance requirements

### 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 is below the defined minimum limit



## 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 minimising contamination

<b>Internal Calibration Model</b>	<b>AX223</b>	<b>AX423</b>	<b>AX523</b>
<b>External Calibration Model</b>	<b>AX223/E</b>	<b>AX423/E</b>	<b>AX523/E</b>
<b>Certified Model</b>	<b>AX223M</b>	<b>AX423M</b>	<b>AX523M</b>
Capacity	220g	420g	520g
Readability	0.001g		
Verification Interval	Certified Models: 0.01g		
Class	Certified Models: II		
Repeatability (standard)	±0.001g		
Linearity	±0.002		
Stabilisation Time	≤ 2 seconds		
Sensitivity Drift	3 PPM/°C		
Typical Min-weight (USP, u=0.10%,k=2)	3		
Optimised Min-Weight (USP, u=0.10%, k=2) SRP≤0.41d**	2.0g		
Weighing Units	gram, milligram, mesgal, momme, Newton, ounce, pennyweight, Baht, carat, grain, pound, Tael (Hong Kong), Tael, (Singapore), Tael (Taiwan), tical, tola, troy ounce, custom (1)		
Weighing Units (approved models)	mg, g, ct		
Weighing Applications	Weighing, Parts Counting, Percent Weighing, Check Weighing, Dynamic Weighing, Formulation, Density Determination, Totalisation, Display Hold		
Pan Size	Ø 130 mm		
Calibration	All models feature external calibration. Models feature AutoCal™ internal calibration, except for AX.../E models		
Tare Range	To capacity by subtraction		
Power Requirements	AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz AC Adapter Output: 12 VDC 0.84A		
Display Type	Full-Colour Touchscreen WQVGA Graphic LCD		
Display Size	109 mm / 4.3 in (diagonal)		
Base Housing (W x H x D)	354 x 340 x 230mm		
Communication	RS232, USB Device, USB Host		
Temperature Range	10°C to 30°C		
Humidity Range	Maximum relative humidity 80% for temperatures up to 30°C		
Storage Conditions	-10°C to 60°C at 10% to 90% relative humidity, non-condensing		
Shipping Dimensions	507 x 387 x 531mm		
Net Weight	5.8kg		
Shipping Weight	8.5kg		