Compact Analytical Balances

HR-AZ/HR-A Series

HR-250AZ/HR-250A
252 g x 0.1 mg

HR-251AZ/HR-251A
62 g/252 g x 0.1 mg/1 mg

HR-150AZ/HR-150A
152 g x 0.1 mg

HR-100AZ/HR-100A
102 g x 0.1 mg

Ultimate Value!

ISO 9000 CERTIFIED

A&D Australasia
Finally, Globally Proven Precision at a Fair Price

What do you expect most from a precision analytical balance? If you are like us, you will agree that accuracy and reliability come before anything else. The HR-AZ/HR-A series of compact analytical balances, behind their simple design, utilize proven A&D sensor technology that delivers superior performance to all users who wish to do superior work.

Optimizing value, the HR-AZ/HR-A series realizes the following three savings:

1. Saving “Time”
   
   **Fast Stabilization in 2 Seconds**
   
   Our widely-recognized Compact Super Hybrid Sensor (C-SHS) technology now enables you to perform high-speed, frustration-free weighing even at a resolution of 0.1 mg.

   *: Patent pending

   **One-Touch Automatic Calibration (HR-AZ models only)**
   
   The built-in calibration mass lets you ensure the accuracy of your balance with just one key press.

2. Saving “Space”
   
   **Compact Footprint: 198 mm × 294 mm**
   
   With the C-SHS, the footprint of the balance is smaller than the ISO A4 (210 mm × 297 mm) paper size, maximizing opportunities for use of an analytical balance in even the smallest of spaces.

   **Rotary Sliding Doors**
   
   Unlike conventional analytical balances, the HR-AZ/HR-A series requires no extra space at the rear for accessing the weighing chamber, as the doors simply rotate behind the balance.

   **Removable Breeze Break**
   
   The breeze break is easily removed using a unique clip system, allowing fast, simple cleaning and use in confined spaces like gloveboxes and controlled environment cabinets.

3. Saving “Cost”
   
   **Lean Design for Affordability**
   
   The HR-AZ/HR-A design is all about “keeping it simple” without compromising quality or performance. Key features demanded by today’s market have been included, resulting in a compact, precise, and reliable analytical balance for the value-conscious user.

---

**Optional Features**

- Quick USB
- External Interface
- Automatic Battery
- Smart Range
- Smart Range
- Auto Power On
- Auto Power Off
- Internal Calibration

---
Large Removable Breeze Break with Antistatic Coating
The breeze break is treated with an antistatic agent to ensure stable weighing. It also offers a large working space and can be detached for better portability and easy cleaning of the balance.

Clear, Reverse Backlit LCD
The contrast of the black and white display provides excellent readability even in a dimly-lit area.

Front-Mounted Spirit Level
The spirit level is easily visible when adjusting the leveling feet of the balance for accurate weighing.

Great Flexibility and Compliance

Twelve Weighing Units
You can easily choose from gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, in addition to a user-programmable unit for conversion applications like GSM calculations in paper and fabric industries (one more unit from tael, tola, or Newton can be added upon request).

GLP/GMP/GCP/ISO Compliant Output
For compliance and documentation requirements, the HR-AZ/HR-A series can output the balance manufacturer, model, serial number, ID number, date and time, space for signature, and calibration records.

Adjustable Response Characteristics and Hold Function
From three preset combinations of weighing speed and stability (FAST, MID, or SLOW), select the one that best suits your environmental conditions (drafts and vibrations). A hold function is also available for weighing animals.

Statistical Calculation Function
The balance displays and outputs statistical calculation data including number of data, sum, maximum, minimum, range (maximum–minimum), average, standard deviation, and coefficient of variation.

Options and Accessories

Quick USB Interface (FXi-02)
The easy-to-use USB interface requires no driver or software installation for transfer of weighing data to a PC.

LAN-Ethernet Interface with WinCT-Plus Software (FXi-08)
You can send commands for controlling and acquiring data from multiple balances.

Rechargeable Battery Unit (FXi-09)
The Ni-MH rechargeable battery pack can be fitted into the balance for use without AC power (10 hours of charging for 14 hours of operation).

Density Determination Kit (AD-1654)
Using this kit, it is easy to calculate the density of a solid or liquid substance in density mode.
Specifications

Options

FXi-02* Quick USB interface with cable
FXi-08* Ethernet interface with WinCT-Plus software
FXi-09* Built-in rechargeable battery

Accessories

AD-1654 Density determination kit
AD-1671 Anti-vibration table for balances
AD-1672 Tabletop breeze break
AD-1683 Static eliminator
AD-1684 Electrostatic field meter
AD-1687 Weighing environment logger
AD-1688 Weighing data logger
AD-1689 Tweezers for calibration weight
AD-8121 Compact printer
AD-8526 Serial/Ethernet converter
AD-8527 Quick USB adapter
AD-8920A Remote display
AD-8922A Remote controller
AX-FXi-31 Main unit cover (5 pcs)
AX-USB-9P Serial/USB converter

Dimensions (mm/inches)

Models | Weighting capacity | Minimum weighing value | Repeatability (standard deviation) | Linearity | Stabilization time (when set to FAST under a good environment) | Sensitivity drift | Internal calibration | Clock and calendar function | Operating environment | Display refresh rate | Display mode | Counting mode | Percent mode | Interface | Applicable calibration weight value | Weighing pan size | External dimensions | Net weight | Power supply | Power consumption
HR-150AZ | 152 g | 0.1 mg | ±0.3 mg | Approx. 2 seconds | ±2 ppm/°C (10 to 30 °C/50 to 86 °F) | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-250A | 252 g | 0.1 mg | ±0.3 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-100AZ | 102 g | 0.1 mg | ±0.2 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-251AZ | 252 g | 0.1 mg | ±0.3 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-100A | 102 g | 0.1 mg | ±0.2 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-251AZ | 252 g | 0.1 mg | ±0.3 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-100A | 102 g | 0.1 mg | ±0.2 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-150A | 152 g | 0.1 mg | ±0.3 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit
HR-100A | 102 g | 0.1 mg | ±0.2 mg | Yes | Yes | 5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation) | 5 times/second (10 times/second can be selected) |gram, milligram, ounce, troy ounce, metric carat, momme, pennyweight, grain, counting mode, percent mode, density mode, and a user-programmable unit

AD-1654 Density determination kit
AD-1671 Anti-vibration table for balances
AD-1672 Tabletop breeze break
AD-1683 Static eliminator
AD-1684 Electrostatic field meter
AD-1687 Weighing environment logger
AD-1688 Weighing data logger
AD-1689 Tweezers for calibration weight
AD-8121 Compact printer
AD-8526 Serial/Ethernet converter
AD-8527 Quick USB adapter
AD-8920A Remote display
AD-8922A Remote controller
AX-FXi-31 Main unit cover (5 pcs)
AX-USB-9P Serial/USB converter

Dimensions (mm/inches)

Options

FXi-02* Quick USB interface with cable
FXi-08* Ethernet interface with WinCT-Plus software
FXi-09* Built-in rechargeable battery

Accessories

AD-1654 Density determination kit
AD-1671 Anti-vibration table for balances
AD-1672 Tabletop breeze break
AD-1683 Static eliminator
AD-1684 Electrostatic field meter
AD-1687 Weighing environment logger
AD-1688 Weighing data logger
AD-1689 Tweezers for calibration weight
AD-8121 Compact printer
AD-8526 Serial/Ethernet converter
AD-8527 Quick USB adapter
AD-8920A Remote display
AD-8922A Remote controller
AX-FXi-31 Main unit cover (5 pcs)
AX-USB-9P Serial/USB converter

sales@andweighing.com.au
www.andweighing.com.au

Your Dealer