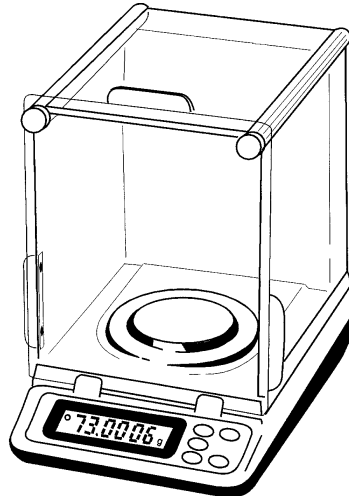


HR Series

Analytical Balances

Resolution
up to
1/3, 100,000

Durable
construction



A choice of units of measure:
Gram, Milligram, Decimal
Ounce(av), Carat, Pennyweight,
Troy Ounce, Grain, Tola, Tael, &
Momme

**Plus: Percentage
Counting**

Features

- Simple & Easy to Operate
- Adapts to your environment
- GLP Software which outputs the calibration data & ID Number of the balance for calibration confirmation to the AD-8121A Printer
- Optional Battery Pack (HR-60, HR-120 & HR-200)
- System Diagnostic to alert operator of abnormal weighing conditions
- Underhook capacity for density measurement & weighing magnetic material

Five popular capacities to choose from:

	Capacity	Resolution	Pan size
HR-60	60g	0.0001 g	Ø85 mm
HR-120	120g	0.0001 g	Ø85 mm
HR-200	210g	0.0001 g	Ø85 mm
HR-300	310g	0.0001 g	Ø90 mm
HR-202	210/42g	0.0001/0.00001 g	Ø80 mm

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AND
A&D WEIGHING
...Clearly a Better Value

Specifications

	HR-60	HR-120	HR-200	HR-202	HR-300
Gram (g)	60 x 0.0001	120 x 0.0001	210 x 0.0001	210 x 0.0001/42 x 0.00001	310 x 0.0001
Milligram (mg)	60000 x 0.1	120000 x 0.1	210000 x 0.1	210000 x 0.1/42000 x 0.01	310000 x 0.1
Decimal Ounce (oz)	2.1 x 0.000005	4.2 x 0.000005	7.4 x 0.000005	7.4 x 0.00001/1.4 x 0.000001	10 x 0.00001
Troy Ounce (ozt)	1.9 x 0.000005	3.8 x 0.000005	6.7 x 0.000005	6.7 x 0.00001/1.3 x 0.000001	9.9 x 0.00001
Penneyweight (dwt)	38 x 0.0001	77 x 0.0001	135 x 0.0001	135 x 0.0001/27 x 0.00001	199 x 0.0001
Carat (ct)	300 x 0.001	600 x 0.001	1050 x 0.001	1050 x 0.001/210 x 0.0001	1550 x 0.001
Momme (mm)	16 x 0.00005	32 x 0.00005	56 x 0.00005	56 x 0.0001/11 x 0.00001	82 x 0.0001
Grain Unit (GNU)	925 x 0.002	1851 x 0.002	3240 x 0.002	3240 x 0.002/648 x 0.0002	4784 x 0.002
Toll (t)	5 x 0.00001	10 x 0.00001	18 x 0.00001	18 x 0.00001/3.6 x 0.000001	26 x 0.00001
Tael (TL)	1.5 x 0.000005	3.1 x 0.000005	5.5 x 0.000005	5.5 x 0.00001/1.1 x 0.000001	8.2 x 0.00001
Percentage Min. Div.	0.01%, 0.1% or 1% (auto prompt)				
Counting Min. Weight	0.1mg				
Linearity	±0.0002g		±0.0002g/±0.00003g		±0.0003g
Repeatability/Std. Dev.	0.0001g		0.0001/0.00002g		0.0002g
Stabil. Time (typically)	3 seconds		3.5/8 seconds		3.5 seconds
Sensitivity Drift	±2ppm / °C(10°C~30°C / 50°F~ 86°F)				
Display Refresh	5 times per second (stable) / 10 times per second (unstable)				
Pan Size	φ85mm / 3.3 in		φ80mm / 3.2 in		φ90mm / 3.6 in
Physical Dimensions mm	213 (W) X 319 (D) X 301 (H)		217 (W) X 429 (D) X 316 (H)		
Physical Dimensions inches	8.4 (W) X 12.6 (D) X 11.9 (H)		8.5 (W) X 16.9 (D) X 12.4 (H)		
Breeze Break mm	180 (W) X 192 (D) X 200 (H)		183 (W) X 164 (D) X 250 (H)		
Breeze Break Dimensions inches	7.1 (W) X 7.5 (D) X 7.9 (H)		7.2 (W) X 6.5 (D) X 9.8 (H)		
Operating Temp.	5°C~40°C / 41°F~104°F RH less than 85%				
Weight (Approx.)	5.7 kg / 12.5 lb		8.0 kg/ 17.6 lb		
Power	*100, 120, 220, 240 VAC (AC Adapter) 50Hz/60Hz				
Standard Accessories	Manual, AC Adapter, Protective Display Cover				
Cal. Mass (Optional)	50g	100g	200g	200g	300g

Specifications are subject to without notice

* Optional 10 Hours of continuous operation with rechargeable battery pack (HR-09) for HR-60, HR-120, & HR-200 only.

Options

- *HR-03.. Serial Interface (RS-232C/Current Loop)
- HR-05 ... 20mA Current Loop Interface
- HR-04 ... Serial Interface (Current Loop)
- HR-09 ... Rechargeable Battery Pack (NiMH)
(HR-09 is for HR-60, HR-120, and HR-200 only)

***To order the Option HR-03 installed, add a "-C" to the end of the part number (Example HR-60-C)**

Accessories

- AD-1653 Specific Gravity Measurement Kit
- AD-8524B.. Keyboard Adapter
- AD-100-2 ... Anti-Theft Device
- AD-8920 External Display
- CC:103E.... Carrying Case
- AD-1191 Compact Printer
- AD-8118A.. Multi-Function Printer
- AD-8118B.. Universal Printer
- AD-8121A.. Multi-Function Printer
- Calibration Weights
- WinCT