



STANDARD FEATURES

- Simple and easy to operate
- GLP software which outputs the calibration data and ID number of the balance for calibration confirmation to the AD-8121B printer
- Adapts to your environment
- Optional battery pack (HR-60, HR-120 & HR-200)
- System diagnostics to alert operator of abnormal weighing conditions
- RS-232C (option for HR-60, HR-120 & HR-200. Standard for HR-300i & HR-202i)
- Underhook capability for density measurement and weighing magnetic materials

SPECIFICATIONS

OVERALL DIMENSIONS:

HR-60, HR-120, HR-200: 8.4in x 12.6in x 11.9in
 HR-202i, HR-300i: 8.54in x 17.4in x 12.24in

DISPLAY REFRESH:

Five times per second (stable) /
 10 times per second (unstable)

OPERATING TEMPERATURE:

41°F to 104°F (5°C to 40°C) RH < 85%

REPEATABILITY/STD. DEV:

HR-60, HR-120, HR-200: 0.0001 g
 HR-202i: 0.0001/0.00002 g
 HR-300i: 0.0002 g

LINEARITY:

HR-60, HR-120, HR-200: ± 0.0002 g
 HR-202i: ± 0.0002 g/ ± 0.0003 g
 HR-300i: ± 0.00003 g

SENSITIVITY DRIFT (PPM/°C/ SPAN):

± 2 ppm when automatic self calibration
 is not used

PAN SIZE:

HR-60, HR-120, HR-200: 3.3in/85mm
 HR-202i, HR-300i: 3.6in/90mm

WEIGHT:

HR-60, HR-120, HR-200: 12.5lb/5.7kg
 HR-202i, HR-300i: 17.6lb/8.0kg

POWER:

*100, 120, 220, 240 VAC (AC adapter)
 50Hz/60Hz

CALIBRATION MASS:

HR-60: 50g
 HR-120: 100g
 HR-200: 200g
 HR-202i: 20/50/100/200g
 HR-300i: 100/200/300g

WARRANTY:

Five-year limited warranty

Note: Orion HR series does have internal calibration

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

HR SERIES CAPACITIES

	HR-60	HR-120	HR-200	HR-202i	HR-300i
g	60 x 0.0001	120 x 0.0001	210 x 0.0001	220 x 0.0001	320 x 0.0001
mg	60000 x 0.1	120000 x 0.1	210000 x 0.1	220000 x 0.1	320000 x 0.1
oz	2.1 x 0.000005	4.2 x 0.00005	7.4 x 0.000005	7.76 x 0.00001	11.29 x 0.00001
ozt	1.9 x 0.000005	3.8 x 0.000005	6.7 x 0.000005	7.07 x 0.00001	10.3 x 0.00001
dwt	38 x 0.0001	77 x 0.0001	135 x 0.0001	141.5 x 0.0001	199 x 0.0001
ct	300 x 0.001	600 x 0.001	1050 x 0.001	1100 x 0.001	1550 x 0.001
mm	16 x 0.00005	32 x 0.00005	56 x 0.00005	58.7 x 0.0001	82 x 0.0001
GN	925 x 0.002	1851 x 0.002	3240 x 0.002	3395 x 0.002	4784 x 0.002
t (Tola)	5 x 0.00001	10 x 0.00001	18 x 0.00001	18.1 x 0.00001	26 x 0.00001
TL (Tael)	1.5 x 0.000005	3.1 x 0.000005	5.5 x 0.000005	5.87 x 0.00001	8.2 x 0.00001

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PART #	A&D MODEL #	CAPACITY	EST. SHIP WEIGHT
97635.....	HR-60.....	60g x 0.1 mg (NTEP CPC #97-084)	12.5lb/7.5kg.....
97636.....	HR-60-C.....	60g x 0.1 mg with RS-232C.....	12.5lb/7.5kg.....
97637.....	HR-120.....	120g x 0.1 mg.....	12.5lb/7.5kg.....
97638.....	HR-120-C.....	120g x 0.1 mg with RS-232C.....	12.5lb/7.5kg.....
97639.....	HR-200.....	210g x 0.1 mg.....	12.5lb/7.5kg.....
97640.....	HR-200-C.....	210g x 0.1 mg with RS-232C.....	12.5lb/7.5kg.....
97641.....	HR-202i.....	51 g/220g x 0.01 mg/0.1 mg with RS-232C.....	17.6lb/8.0kg.....
97642.....	HR-300i.....	320g x 0.1 mg with RS-232C.....	17.6lb/8.0kg.....

OPTIONS/ACCESSORIES

97645.....	HR-29.....	Bluetooth®, factory installed, 30 ft maximum.....	
97646.....	HR-03.....	Serial interface (RS-232C) for HR-60/120/200	
97647.....	HR-05.....	20mA current loop interface for HR-60/120/200.....	
97648.....	HR-09.....	NiCad battery pack for HR-60, HR-60-C, HR-120, HR-120-C, HR-200, HR-200-C only.....	
97605.....	AD-100-2	Anti-theft device.....	
97606.....	AD-1653.....	Density determination kit.....	
97607.....	AD-1682.....	Rechargeable battery pack.....	
97608.....	AD-8920.....	Universal remote display.....	
97610.....	AD-1683.....	Static eliminator	
97609.....	AD-8922.....	Remote controller.....	
97611.....	CC:103E.....	Storage/carrying case for HR-60, HR-120, HR-200-C versions only	
97649.....	TB:110C.....	HR AC adapter (120V)	
97650.....	TB:136	HR-i adapter (120V).....	

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