

ANALYTICAL / SEMI-MICRO BALANCES



GEMINI™ SERIES

Internal Calibration Mass with Large Breeze Break and Compact Footprint



•0.01mg Semi-Micro Resolution

ID •Balance ID Number



•Internal Calibration Standard



•Time and Date Function



•Full Digital Calibration



•Data Memory Function



•User Friendly Operation



•Automatic Counting
Accuracy Improvement



•Liquid Crystal Display



•Underhook Capability



•RS-232C Bi-directional
Interface



•5 Year Warranty



•Windows Communication
Tools Software



•GLP/GMP/GCP/ISO Compliance

Gemini Series Specifications

Capacity / Resolution		GR-120	GR-200	GR-300	GR-202
Gram	(g)	120X0.0001	210X0.0001	310X0.0001	210X0.0001 / 42X0.00001
	(mg)	120,000X0.1	210,000X0.1	310,000X0.1	210,000X0.1 / 42,000X0.01
Decimal Ounce	(oz)	4.2X0.00001	7.4X0.00001	10X0.00001	7.4X0.00001 / 1.4X0.000001
Troy Ounce	(ozt)	3.8X0.00001	6.7X0.00001	9.9X0.00001	6.7X0.00001 / 1.3X0.000001
Pennyweight	(dwt)	77X0.0001	135X0.0001	199X0.0001	135X0.0001 / 27X0.00001
Carat	(ct)	600X0.001	1050X0.001	1550X0.001	1050X0.001 / 210X0.0001
Momme	(mom)	32X0.0001	56X0.0001	82X0.0001	56X0.0001 / 11X0.00001
Grain Unit	(GN)	1851X0.002	3240X0.002	4784X0.002	3240X0.002 / 648X0.0002
Tola	(t)	10X0.00001	18X0.00001	26X0.00001	18X0.00001 / 3.6X0.000001
Tael	(TL)	3.1X0.00001	5.5X0.00001	8.2X0.00001	5.5X0.00001 / 1.1X0.000001
Percentage Min Div		0.01%			
Counting Min Weight		0.1 mg			
Linearity		±0.0002 g	±0.0002 g	±0.0002 g	±0.0002 / ±0.00003 g
Repeatability / Std Dev		0.0001 g	0.0001 g	0.0001 g	0.0001 / 0.00002 g
Stabilization Time		3.5 seconds			3.5 / 8 seconds
Sensitivity Drift (10°C – 30°C)		±2ppm / °C (10°C ~ 30°C / 50°F ~ 86°F)			
Display Refresh		5 times per second / 10 times per second			
Pan Size		Ø 85 mm / 3.3 inches			
Physical Dimensions	(mm)	249(W) x 330(D) x 327(H)			
	(in)	9.8(W) x 12.99(D) x 12.87(H)			
Breeze Break Dimensions	(mm)	178(W) x 160(D) x 233(H)			
	(in)	7.01(W) x 6.5(D) x 9.17(H)			
Operating Temperature		5°C ~ 40°C / 41°F ~ 104°F RH less than 85%			
Weight		Approximately 6.0 kg / 13.2 lb			
Power		100, 120, 220, 240 VAC (AC Adapter) 50 Hz / 60 Hz, 11VA			
Standard Accessories		Manual, AC Adapter, Reference Card			
Ext. Cal. Mass (optional)		50 g / 100 g	100 g / 200 g	200 g / 300 g	100 g / 200 g



User Friendly Balances



• **0.01mg Semi-Micro Resolution** (some models).



• **Internal Calibration** Built-in motor driven calibration mass.



• **Full Digital Calibration** simplifies calibration by eliminating the need to continuously load and unload calibration weights to adjust Zero and Span.



• **User Friendly Operation** with large, clearly marked keys.



• **Liquid Crystal Display** with large, easy-to-read digits.



• **RS-232C Bi-directional Interface** for use with PC, Printer or Remote Display.



• **Windows Communication Tools Software** provides easy transmission of weighing data from A&D Balances and Scales to a computer using an RS-232C interface.



• **GLP/GMP/GCP/ISO Compliance** allows for GLP and LIMS balance management. The data can be output to an AD-8121B printer or a computer. Date, Time, Balance ID number, Serial number and Calibration data.



• **Balance ID Number** is user specified and stored when power is off.



• **Time and Date Function** complies with GLP and Interval Weighing in the Data Memory Function.



• **Data Memory Function** 200 PCS Weigh Data. (GH Models also offer choices of 100 PCS Weigh Data with T&D, or 50 Sets of Calibration Data).



• **Automatic Counting Accuracy Improvement** Ensures optimum count accuracy by continuous recalculation of average piece weight.



• **Auto Power On Function** Balance turns itself on when plugged in.



• **Underhook Capability** for Density Measurement and weighing of large or magnetic materials.

Options and Accessories

AD-8920A Remote Display

AD-8922A Remote Controller

AD-1653 Density Determination Kit

AD-1682 Rechargeable Battery Pack (Ni-MH, external)

AD-1683 Static Eliminator

AD-1191 Compact Printer with Time & Date

AD-8121B Compact Printer with Time, Date and Statistics

Win-CT Data Collection Software

AD-100-2 Anti-Theft Device

HR-03 RS-232C output for HR models (Standard for HR-i, GR, GH)

HR-05 20mA Current Loop Interface; (HR-60, HR-120 & HR-200 only)

HR-09 Rechargeable Battery Pack (internal, for HR-60, HR-120 & HR-200 only)



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