

Analytical/Semi-Micro Balances

GR Series

High Performance up to 0.01mg Semi-Micro Weighing
Automatic Self-Calibration and Ergonomic Design

GR-202

210g × 0.1mg

42g × 0.01mg

GR-300

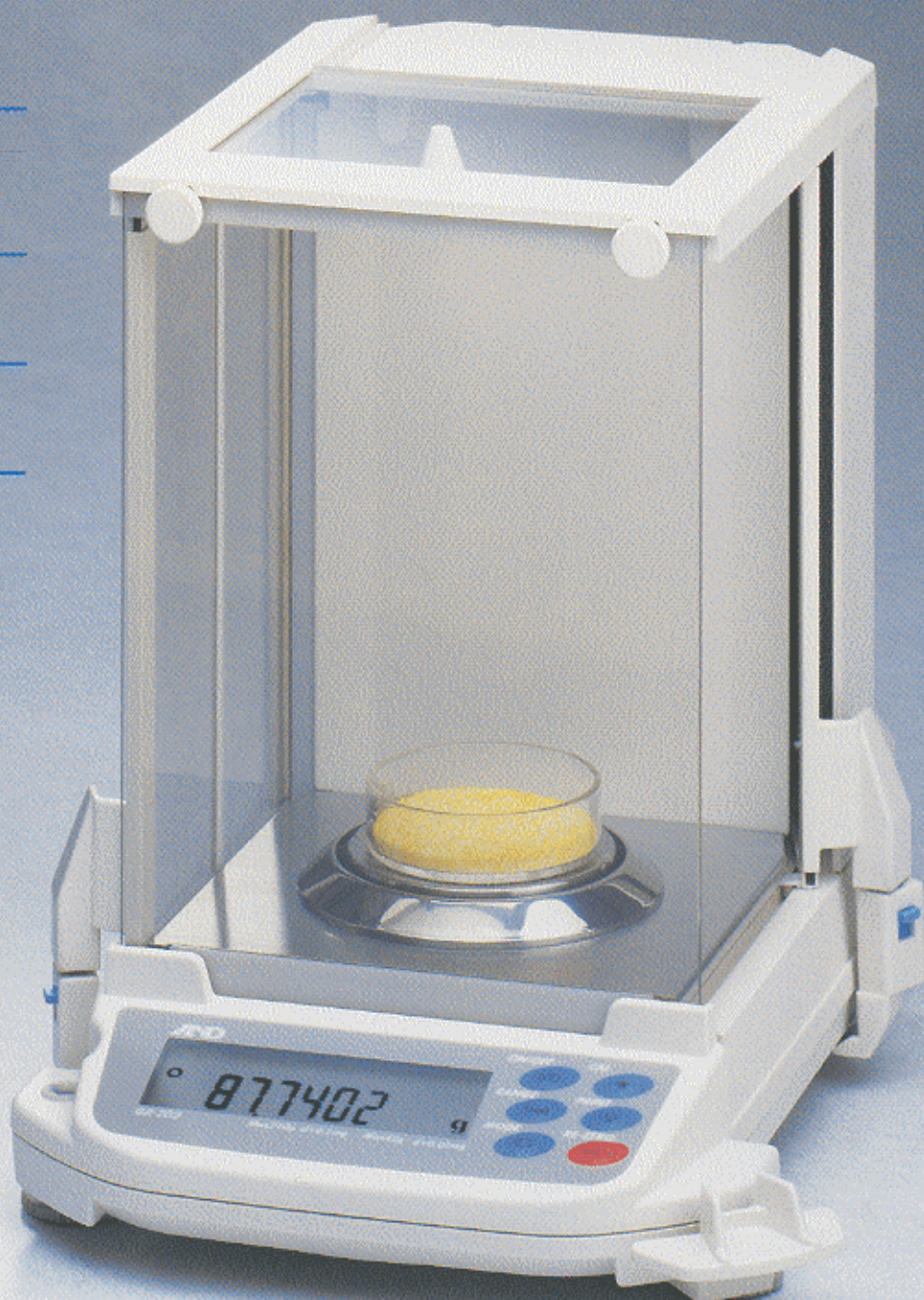
310g × 0.1mg

GR-200

210g × 0.1mg

GR-120

120g × 0.1mg



AND
A&D Company, Limited

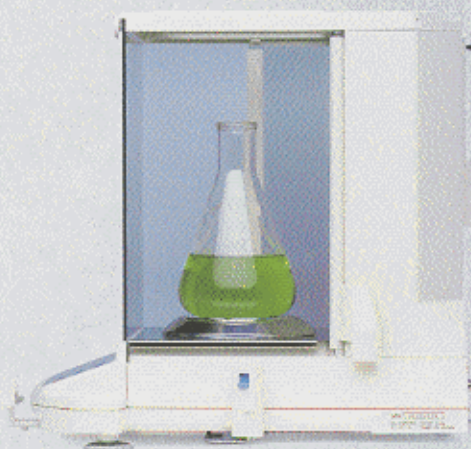
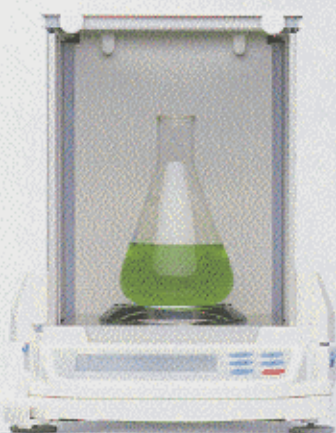
...Clearly a Better Value

Superb "New Generation" Analytical

Speedy & Simple Operation to Maximize Performance.



The GR Series Balances require approximately 30% less footprint space compared to conventionally designed balances. Weighing chamber tall enough to accommodate largest beakers.



Easy Access Door System

A unique door opening system allows an operator to conveniently open or close the left or right weighing chamber through a front door control lever.

This allows quick, efficient access to the weighing chamber door without leaning, bending or stooping.



Open left or right door from front

13 Multiple Weighing Units

g, mg, pcs, %, oz, ozl, ct, mom, dwt, GN, tl, t, m

Two Layer Housing Construction

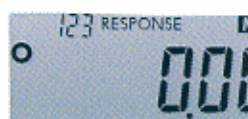
Durable & minimizing negative effects of ambient temperature changes.

Splash Proof Keyboard and Display

Protects from dust and spills.

Data Memory Function

Stores up to 200 sets of weighing data. Data can be output by numerical codes.



Automatic Adjustable Environment Setting

Adapts to the most suitable Environment Response Setting automatically to minimize effect of external disturbances. The response annunciator shows "FAST", "MID" and "SLOW" on the display.



GLP Compliance

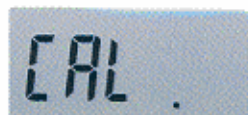
Allows GLP or LIMS balance management by outputting the Balance ID number and weight used to calibrate the balance. The data can be output to A&D's AD-8121 printer or a computer, indicating date, time, Balance ID number and calibration weight.



A & D
MODEL GR-200
S/N 14200334
ID ABCDEFGH
DATE 99/02/12
05:28:52 PM
CAL. TEST<EXT.>
ACTUAL
0.0000 g
+199.9989 g
TARGET
+200.0000 g
SIGNATURE

Automatic Self Calibration

Performs self calibration automatically when a change of ambient temperature exceeds the preset temperature range.



One Touch Calibration

Allows quick calibration with one press of the CAL key.

Quick Reference Card

A fast, convenient operation guide.



Standard Underhook

Ideal for density determination and weighing magnetic substances.

Standard RS-232C

Enables bi-directional communication with a PC or printer.

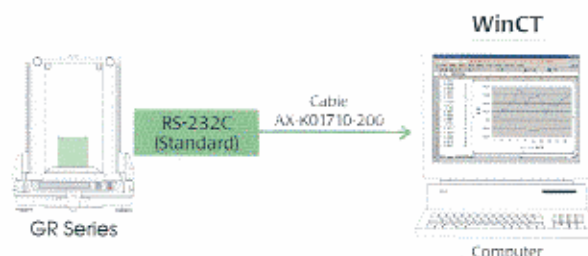
WinCT - Windows Communication Tools

WinCT is Windows Communication Tools Software, providing easy transmission of weighing data from A&D Balances to a computer using RS-232C interface. You can quickly collect data into Windows applications in a manageable format limited only by your own computer's capabilities.

WinCT consists of two applications:

RsKey allows data to be directly pasted into Windows applications such as Excel or Word, but does not allow "Transmit" commands from the computer to the balance.

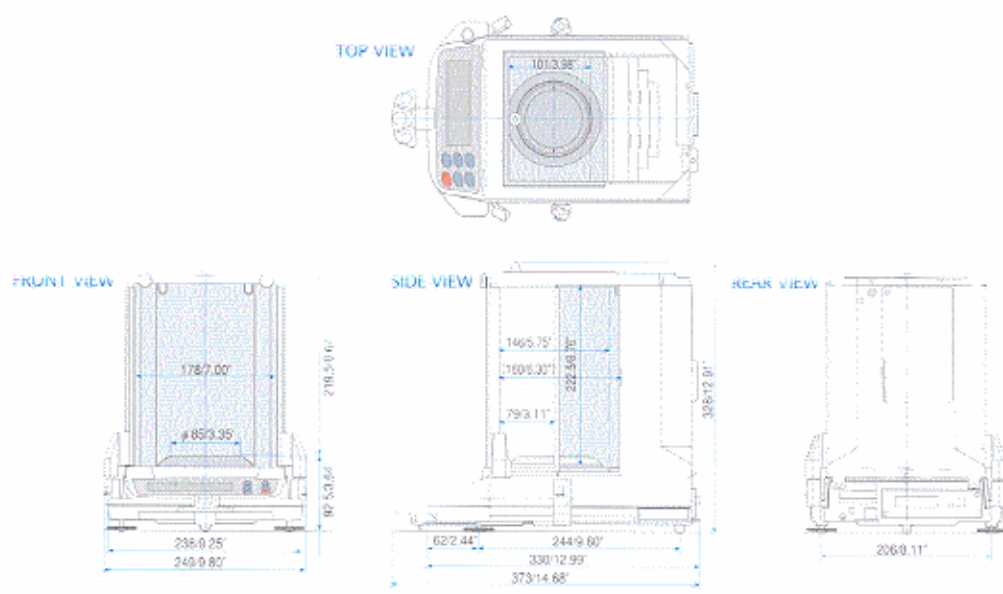
RsCom transmits data to the computer using a text file format and allows "Transmit" commands. Commands include Calibrate, On/Off, Print, Query(for "transmit") weight data, Re-zero, Range, Sample, Mode & Zero from the computer.



RsCom and RsKey both offer user selectable time, date, sequential #, interval transmission and GLP data. A readme file contains all setup, operation & troubleshooting guides.

* Windows WORD and EXCEL are registered trademarks of Microsoft Corporation.

GR Series Dimensions



GR Series Specifications

Capacity/Resolution		GR-202	GR-300	GR-200	GR-120
Gram	(g)	210×0.0001/42×0.00001	310×0.0001	210×0.0001	120×0.0001
	(mg)	210000×0.1/42000×0.01	310000×0.1	210000×0.1	120000×0.1
Decimal Ounce	(oz)	7.4×0.00001/1.4×0.000001	10×0.00001	7.4×0.00001	4.2×0.00001
Troy Ounce	(ozt)	6.7×0.00001/1.3×0.000001	9.9×0.00001	6.7×0.00001	3.8×0.00001
Pennyweight	(dwt)	135×0.0001/27×0.00001	199×0.0001	135×0.0001	77×0.0001
Carat	(ct)	1050×0.001/210×0.0001	1550×0.001	1050×0.001	600×0.001
Momme	(mom)	56×0.0001/11×0.00001	82×0.0001	56×0.0001	32×0.0001
Grain Unit	(GN)	3240×0.002/648×0.0002	4784×0.002	3240×0.002	1851×0.002
Tola	(tl)	18×0.00001/3.6×0.000001	26×0.00001	18×0.00001	10×0.00001
Tael	(TL)	5.5×0.00001/1.1×0.000001	8.2×0.00001	5.5×0.00001	3.1×0.00001
Percentage Min Div.		0.01%			
Counting Min Weight		0.1mg			
Linearity		±0.0002/±0.00003g	±0.0003g	±0.0002g	
Repeatability/Std.Dev.		0.0001/0.00002g	0.0002g	0.0001g	
Stabilization Time		3.5/8 seconds (typically)	3.5 seconds (typically)		
Sensitivity Drift		±2ppm/°C (10°C~30°C/50°F~86°F)			
Display Refresh		5 times per second/10 times per second			
Pan Size		Ø85mm/3.3inches			
Physical Dimensions		249(W)×330(D)×328(H)			
	mm	249(W)×330(D)×328(H)			
	inches	9.8(W)×12.99(D)×12.91(H)			
Breeze Break Dimensions		178(W)×160(D)×233(H)			
	mm	178(W)×160(D)×233(H)			
	inches	7.01(W)×6.5(D)×9.17(H)			
Admissible ambient conditions		5°C~40°C/41°F~104°F RH less than 85%			
Weight Approximately		6.0kg/13.2lb			
Power		100,120,220,240VAC (AC Adapter)50Hz/60Hz,11VA			
Standard Accessories		WinCT in CDROM, Manual, AC Adapter, Reference Card			

Specifications are subject to change without notice

Accessories

- AD-1653 Density Determination Kit
- AD-8121 Multi-Function Printer
- AD-8118B Universal Printer
- AD-8524B Keyboard Adapter (for IBM Compatible PC)

AD-1653 / Optional Density Determination Kit



AND

...Clearly a Better Value

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