



### Standard Features

- Electronically controlled load (ECL) self-diagnostic before internal repeatability test without an external weight in less than 1.5 minutes
- External calibration
- Impact shock detection
- Flow rate display
- RS-232C and USB bidirectional interface
- Password protection and anti-theft security slot
- GLP/GMP/ISO compliant to either AD-8127 printer or computer
- Transmits date, time, ID number, serial number, model, manufacturer and calibration data
- Rechargeable battery option for portability
- Counting, Percentage, Animal Weighing, Density, Statistical and Comparator Modes
- Super Hybrid Sensor Technology (SHS)
- Reverse backlit LCD display
- Optional glass breeze break
- Underhook weighing

### Specifications

	GF-203A <sup>^</sup>	GF-303A <sup>^</sup>	GF-403A <sup>^</sup>	GF-603A <sup>^</sup>	GF-1003A <sup>^</sup>	GF-1603A <sup>^</sup>	GF-1202A
Part#	191707	191708	191709	191710	191711	191712	191713
List Price	Consult	Consult	Consult	Consult	Consult	Consult	Consult
Capacity	220 g	320 g	420 g	620 g	1,100 g	1,620 g	1,220 g
Resolution	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.01 g
Operating Modes	Animal Weighing, Comparator Function, ACAI Counting, Percentage, Density Determination, Statistical Calculation						
Repeatability	0.001 g					0.002 g	
Linearity	±0.002 g		±0.003 g			±0.02 g	
Stabilization Time	Approx 1 second				Approx. 1.5 seconds		Approx. 1 sec
Operating Temperature	41° F to 104° F (5° C to 40° C)						
Weighing Chamber	3 in H (85 mm H)						—
Pan Size	5 x 5 in (128 x 128 mm)						165 x 165 mm (6.5 x 6.5 in)
Dimensions	(W x D x H) 8.3 x 12.5 x 3.7 in (212 x 317 x 93 mm)						
Est. Ship Weight	11 lb (5 kg)						
Power	120VAC adapter, Approx. 30VA						
Warranty	Five-year Limited Warranty						
Return Policy	A&D Weighing Standard Policy - restock fee may apply						
Gram	220 x 0.001 g	320 x 0.001 g	420 x 0.001 g	620 x 0.001 g	1100 x 0.001 g	1620 x 0.001 g	1220 x .01 g
Ounce (Avoir)	7.76 x 0.00005 g	11.28 x 0.00005 g	14.81 x 0.00005 g	21.86 x 0.00005 g	38.80 x 0.00005 g	57.14 x 0.00005 g	43.0 x 0.0005 g
Pound	0.485 x 0.000005 g	0.705 x 0.000005 g	0.925 x 0.000005 g	1.366 x 0.000005 g	2.425 x 0.000005 g	3.571 x 0.000005 g	2.68 x 0.00005 g
Pound/Ounce	0 lb 7.76 oz x 0.01 oz	0 lb 11.28 oz x 0.01 oz	0 lb 14.81 oz x 0.01 oz	1 lb 5.86 oz x 0.01 oz	2 lb 6.80 oz x 0.01 oz	3 lb 9.14 oz x 0.01 oz	2 lb 11.03 oz x 0.01 oz
Troy Ounce	7.07 x 0.00005 g	10.28 x 0.00005 g	13.50 x 0.00005 g	19.93 x 0.00005 g	35.36 x 0.00005 g	52.08 x 0.00005 g	39.2 x 0.0005 g
Metric Carat	1100 x 0.005 g	1600 x 0.005 g	2100 x 0.005 g	3100 x 0.005 g	5500 x 0.005 g	8100 x 0.005 g	6100 x 0.05 g
Momme	58.6 x 0.0005 g	85.3 x 0.0005 g	112.0 x 0.0005 g	165.3 x 0.0005 g	293.3 x 0.0005 g	432.0 x 0.0005 g	325 x 0.005 g
Pennyweight	141 x 0.001 g	205 x 0.001 g	270 x 0.001 g	398 x 0.001 g	707 x 0.001 g	1041 x 0.001 g	784 x 0.01 g
Grain (UK)	3395 x 0.02 g	4938 x 0.02 g	6481 x 0.02 g	9568 x 0.02 g	16975 x 0.02 g	25000 x 0.02 g	18827 x 0.2 g
Tael (HK general, Singapore)	5.82 x 0.00005 g	8.46 x 0.00005 g	11.11 x 0.00005 g	16.40 x 0.00005 g	29.10 x 0.00005 g	42.85 x 0.00005 g	32.2 x 0.0005 g
Tael (HK jewelry)	5.87 x 0.00005 g	8.54 x 0.00005 g	11.22 x 0.00005 g	16.56 x 0.00005 g	29.38 x 0.00005 g	43.28 x 0.00005 g	32.5 x 0.0005 g
Tael (Taiwan)	5.86 x 0.00005 g	8.53 x 0.00005 g	11.20 x 0.00005 g	16.53 x 0.00005 g	29.33 x 0.00005 g	43.20 x 0.00005 g	32.5 x 0.0005 g
Tael (China)	7.04 x 0.00005 g	10.24 x 0.00005 g	13.44 x 0.00005 g	19.84 x 0.00005 g	35.20 x 0.00005 g	51.84 x 0.00005 g	39.0 x 0.0005 g
Tola (India)	18.8 x 0.0001 g	27.4 x 0.0001 g	36.0 x 0.0001 g	53.1 x 0.0001 g	94.3 x 0.0001 g	138.8 x 0.0001 g	104 x 0.001 g
Mesghal	46.9 x 0.0005 g	68.2 x 0.0005 g	89.6 x 0.0005 g	132.2 x 0.0005 g	234.6 x 0.0005 g	345.6 x 0.0005 g	260 x 0.005 g

<sup>^</sup> Weighing Chamber

## Specifications

	GF-2002A	GF-3002A	GF-4002A	GF-6002A	GF-6001A	GF-10001A	GF-10002A
Part#	191714	191715	191716	191717	192486	192487	191718
List Price	Consult	Consult	Consult	Consult	Consult	Consult	Consult
Capacity	2,200 g	3,200 g	4,200 g	6,200 g	6,200 g	10,200 g	10,200 g
Resolution	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.01 g
Operating Modes	Animal Weighing, Comparator Function, ACAI Counting Function, Percentage, Density Determination, Statistical Calculation						
Repeatability	0.01 g					0.1 g	0.1 g
Linearity	±0.02 g		±0.03 g		±0.1 g		±0.03 g
Stabilization Time	Approx. 1 second						Approx. 1.5 seconds
Operating Temperature	41° F to 104° F (5° C to 40° C)						
Pan Size	5 x 5 in (128 x 128 mm)						6.5 x 6.5 in (165 mm x 165 mm)
Dimensions	(W x D x H) 8.3 x 12.5 x 3.7 in (212 x 317 x 93 mm)						
Est. Ship Weight	11 lb (5 kg)						
Power	120/240VAC adapter, Approx. 30VA						
Warranty	Five-year Limited Warranty						
Return Policy	A&D Weighing Standard Policy - restock fee may apply						
Gram	2200 x 0.01 g	3200 x 0.01 g	4200 x 0.01 g	6200 x 0.01 g	6200 x 0.1 g	10200 x 0.1 g	10,200 x 0.01 g
Ounce (Avoir)	77.6 x 0.0005 g	112.8 x 0.0005 g	148.1 x 0.0005 g	218.6 x 0.0005 g	218 x 0.005 g	359 x 0.005 g	359.7 x 0.0005 g
Pound	4.85 x 0.00005 g	7.05 x 0.00005 g	9.25 x 0.00005 g	13.66 x 0.00005 g	13.6 x 0.0005 g	22.4 x 0.0005 g	22.48 x 0.00005 g
Pound/Ounce	4 lb 13.60 oz x 0.01 oz	7 lb 0.87 oz x 0.01 oz	9 lb 4.15 oz x 0.01 oz	13 lb 10.69 oz x 0.01 oz	13 lb 10.69 oz x 0.01 oz	22 lb 7.79 oz x 0.01 oz	22 lb 7.79 oz x 0.01 oz
Troy Ounce	70.7 x 0.0005 g	102.8 x 0.0005 g	135.0 x 0.0005 g	199.3 x 0.0005 g	199 x 0.005 g	327 x 0.005 g	327.9 x 0.0005 g
Metric Carat	11000 x 0.05 g	16000 x 0.05 g	21000 x 0.05 g	31000 x 0.05 g	31000 x 0.5 g	51000 x 0.5 g	51000 x 0.05 g
Momme	586 x 0.005 g	853 x 0.005 g	1120 x 0.005 g	1653 x 0.005 g	1653 x 0.05 g	2720 x 0.05 g	2720 x 0.005 g
Pennyweight	1414 x 0.01 g	2057 x 0.01 g	2700 x 0.01 g	3986 x 0.01 g	3986 x 0.1 g	6558 x 0.1 g	6558 x 0.01 g
Grain (UK)	33951 x 0.2 g	49383 x 0.2 g	64815 x 0.2 g	95680 x 0.2 g	95680 x 2 g	157410 x 2 g	157410 x 0.2 g
Tael (HK general, Singapore)	58.2 x 0.0005 g	84.6 x 0.0005 g	111.1 x 0.0005 g	164.0 x 0.0005 g	164.0 x 0.005 g	269.0 x 0.005 g	269.8 x 0.0005 g
Tael (HK jewelry)	58.7 x 0.0005 g	85.4 x 0.0005 g	112.2 x 0.0005 g	165.6 x 0.0005 g	165.0 x 0.00005 g	272.0 x 0.005 g	272.5 x 0.0005 g
Tael (Taiwan)	58.6 x 0.0005 g	85.3 x 0.0005 g	112.0 x 0.0005 g	165.3 x 0.0005 g	165.0 x 0.005 g	272.0 x 0.005 g	272.0 x 0.0005 g
Tael (China)	70.4 x 0.0005 g	102.4 x 0.0005 g	134.4 x 0.0005 g	198.4 x 0.0005 g	198.0 x 0.005 g	326.0 x 0.005 g	326.4 x 0.0005 g
Tola (India)	188 x 0.001 g	274 x 0.001 g	360 x 0.001 g	531 x 0.001 g	531.0 x 0.01 g	874.0 x 0.01 g	874 x 0.001 g
Mesghal	769 x 0.005 g	682 x 0.005 g	896 x 0.005 g	1322 x 0.005 g	1322 x 0.05 g	2176 x 0.05 g	2176 x 0.005 g

UNIT OF MEASURE

**Apollo GF Series**

Toploader Balances

**Part Number/Price**

Part #	Model #	Description	Price
191707	GF-203A	220 g x 0.001 g	Consult
191708	GF-303A	320 g x 0.001 g	Consult
191709	GF-403A	420 g x 0.001 g	Consult
191710	GF-603A	620 g x 0.001 g	Consult
191711	GF-1003A	1,100 g x 0.001 g	Consult
191712	GF-1603A	1,620 g x 0.001 g	Consult
191713	GF-1202A	1,220 g x 0.01 g	Consult
191714	GF-2002A	2,200 g x 0.01 g	Consult
191715	GF-3002A	3,200 g x 0.01 g	Consult
191716	GF-4002A	4,200 g x 0.01 g	Consult
191717	GF-6002A	6,200 g x 0.01 g	Consult
192486	GF-6001A	6,200 g x 0.1 g	Consult
192487	GF-10001A	10,200 g x 0.1 g	Consult
191718	GF-10002A	10,200 g x 0.01 g	Consult

**Options/Accessories**

Part #	A&D Model #	Description	Price
192662	GXA-03	RS-232C Interface (D-sub 9P male)	Consult
192663	GXA-04	Comparator output (requires 192667)	Consult
192667	AX-K05692	MiniDIN 8 pin male for GXA-04	Consult
192671	GXA-06	Analog output (includes 192673)	Consult
192673	AX-K05693	MiniDIN 4 pin male for GXA-06	Consult
192674	GXA-09	Internal rechargeable battery (must be factory installed)	Consult
192675	GXA-10	Large glass breeze break	Consult
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	Consult
192677	GXA-13	Density determination kit (for 1 mg models only)	Consult
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	Consult
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	Consult
192680	GXA-23-RZERO	External key input interface for SW:137-REZERo foot switch	Consult
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	Consult
192682	GXA-24	USB host interface (USB A type)	Consult
192683	GXA-25	External fanless ionizer (static eliminator)	Consult
192684	GXA-26	External IR switch (MiniDIN 4 pin male)	Consult