

# Apollo GF Series

Analytical and Toploader Balances

Capacity: 220g-8100g    Readability: 0.001g-0.1g



Apollo GF-324A

Apollo GF-1003A

Apollo GF-3002A

## 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-124A <sup>^</sup>	GF-203A <sup>^</sup>	GF-224A <sup>^</sup>	GF-303A <sup>^</sup>	GF-324A <sup>^</sup>	GF-403A <sup>^</sup>	
Part#	200327	191707	200328	191708	200329	191709	
List Price	\$2,525.00	\$1,375.00	\$2,750.00	\$1,525.00	\$3,560.00	\$1,675.00	
Capacity	120 g	220 g	220 g	320 g	320 g	420 g	
Resolution	0.0001 g	0.001 g	0.0001 g	0.001 g	0.0001 g	0.001 g	
Operating Modes	Animal Weighing, Comparator Function, ACAI Counting, Percentage, Density Determination, Statistical Calculation						
Repeatability	0.0001 g	0.001 g	0.0001 g	0.001 g	0.0002 g (300 g) 0.0001 g (200 g)	0.001 g	
Linearity	±0.0002 g	±0.002 g	±0.0002 g	±0.002 g	±0.0003 g	±0.003 g	
Stabilization Time	Approx. 1.5 sec.	Approx. 1 sec.	Approx. 2 sec.	Approx. 1 sec.	Approx. 2 sec.	Approx. 1.0 sec.	
Display Refresh	5 times per second/10 times per second/20 times per second						
Operating Temperature	41° F to 104° F (5° C to 40° C) RH less than 85% (no condensation)						
Weighing Chamber	8.78 in H (223 mm H)	3 in H (85 mm H)	8.78 in H (223 mm H)	3 in H (85 mm H)	8.78 in H (223 mm H)	3 in H (85 mm H)	
Pan Size	Ø90 mm	5 x 5 in (128 x 128 mm)	Ø90 mm	5 x 5 in (128 x 128 mm)	Ø90 mm	5 x 5 in (128 x 128 mm)	
Dimensions	(W x D x H) 10.2 x 14.1 x 13.1 in (259 x 358 x 332 mm) Including Large Glass Breeze Break	(W x D x H) 8.3 x 12.5 x 3.7 in (212 x 317 x 93 mm)	(W x D x H) 10.2 x 14.1 x 13.1 in (259 x 358 x 332 mm) Including Large Glass Breeze Break	(W x D x H) 8.3 x 12.5 x 3.7 in (212 x 317 x 93 mm)	(W x D x H) 10.2 x 14.1 x 13.1 in (259 x 358 x 332 mm) Including Large Glass Breeze Break	(W x D x H) 8.3 x 12.5 x 3.7 in (212 x 317 x 93 mm)	
Est. Ship Weight	18 lb (8 kg)	11 lb (5 kg)	18 lb (8 kg)	11 lb (5 kg)	18 lb (8 kg)	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						
UNIT OF MEASURE	Gram	120 x 0.0001 g	220 x 0.001 g	220 x 0.0001 g	320 x 0.001 g	320 x 0.0001 g	420 x 0.001 g
	Ounce (Avoir)	4.23 x 0.000005 g	7.76 x 0.00005 g	7.76 x 0.000005 g	11.28 x 0.00005 g	11.29 x 0.000005 g	14.81 x 0.00005 g
	Pound	0.265 x 0.000005 g	0.485 x 0.000005 g	0.485 x 0.000005 g	0.705 x 0.000005 g	0.705 x 0.000005 g	0.925 x 0.000005 g
	Pound/Ounce	0 lb 4.24 oz x 0.01 oz	0 lb 7.76 oz x 0.01 oz	0 lb 7.76 oz x 0.01 oz	0 lb 11.28 oz x 0.01 oz	0 lb 11.29 oz x 0.01 oz	0 lb 14.81 oz x 0.01 oz
	Troy Ounce	3.86 x 0.000005 g	7.07 x 0.00005 g	7.07 x 0.000005 g	10.28 x 0.00005 g	10.29 x 0.000005 g	13.50 x 0.00005 g
	Metric Carat	600 x 0.0005 g	1100 x 0.005 g	1100 x 0.0005 g	1600 x 0.005 g	1600 x 0.0005 g	2100 x 0.005 g
	Momme	31.75 x 0.00005 g	58.6 x 0.0005 g	58.6 x 0.00005 g	85.3 x 0.0005 g	84.7 x 0.00005 g	112.0 x 0.0005 g
	Pennyweight	77 x 0.0001 g	141 x 0.001 g	141 x 0.0001 g	205 x 0.001 g	206 x 0.0001 g	270 x 0.001 g
	Grain (UK)	1852 x 0.002 g	3395 x 0.02 g	3395 x 0.002 g	4938 x 0.02 g	4938 x 0.002 g	6481 x 0.02 g
	Tael (HK general, Singapore)	3.17 x 0.000005 g	5.82 x 0.00005 g	5.82 x 0.000005 g	8.46 x 0.00005 g	8.47 x 0.000005 g	11.11 x 0.00005 g
	Tael (HK jewelry)		5.87 x 0.00005 g	5.87 x 0.000005 g	8.54 x 0.00005 g	8.54 x 0.000005 g	11.22 x 0.00005 g
	Tael (Taiwan)		5.86 x 0.00005 g	5.86 x 0.000005 g	8.53 x 0.00005 g	8.53 x 0.000005 g	11.20 x 0.00005 g
	Tael (China)		7.04 x 0.00005 g	7.04 x 0.000005 g	10.24 x 0.00005 g	10.24 x 0.000005 g	13.44 x 0.00005 g
	Tola (India)	10.29 x 0.00001 g	18.8 x 0.0001 g	18.8 x 0.00001 g	27.4 x 0.0001 g	27.4 x 0.00001 g	36.0 x 0.0001 g
	Mesghal	26.04 x 0.00005 g	46.9 x 0.0005 g	46.9 x 0.00005 g	68.2 x 0.0005 g	69.6 x 0.00005 g	89.6 x 0.0005 g

<sup>^</sup> Weighing Chamber

## Specifications

	GF-603A <sup>^</sup>	GF-1003A <sup>^</sup>	GF-1603A <sup>^</sup>	GF-1202A	GF-2002A	GF-3002A	
Part#	191710	191711	191712	191713	191714	191715	
List Price	\$1,975.00	\$2,375.00	\$3,054.90	\$1,375.00	\$1,425.00	\$1,475.00	
Capacity	620 g	1,100 g	1,620 g	1,220 g	2,200 g	3,200 g	
Resolution	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	
Operating Modes	Animal Weighing, Comparator Function, ACAI Counting Function, Percentage, Density Determination, Statistical Calculation						
Repeatability	0.001 g		0.002 g	0.01 g			
Linearity	±0.03 g			±0.02 g			
Stabilization Time	Approx. 1 sec.	Approx. 1.5 sec.		Approx. 1 sec.			
Display Refresh	5 times per second/10 times per second/20 times per second						
Operating Temperature	41° F to 104° F (5° C to 40° C) RH less than 85% (no condensation)						
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)	5 x 5 in (128 x 128 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	120VAC adapter, Approx. 30VA				120/240VAC adapter, Approx. 30VA		
Warranty	Five-year Limited Warranty						
Return Policy	A&D Weighing Standard Policy - restock fee may apply						
UNIT OF MEASURE	Gram	620 x 0.001 g	1100 x 0.001 g	1620 x 0.001 g	1220 x .01 g	2200 x 0.01 g	3200 x 0.01 g
	Ounce (Avoir)	21.86 x 0.00005 g	38.80 x 0.00005 g	57.14 x 0.00005 g	43.0 x 0.0005 g	77.6 x 0.0005 g	112.8 x 0.0005 g
	Pound	1.366 x 0.000005 g	2.425 x 0.000005 g	3.571 x 0.000005 g	2.68 x 0.00005 g	4.85 x 0.00005 g	7.05 x 0.00005 g
	Pound/Ounce	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	4 lb 13.60 oz x 0.01 oz	7 lb 0.87 oz x 0.01 oz
	Troy Ounce	19.93 x 0.00005 g	35.36 x 0.00005 g	52.08 x 0.00005 g	39.2 x 0.0005 g	70.7 x 0.0005 g	102.8 x 0.0005 g
	Metric Carat	3100 x 0.005 g	5500 x 0.005 g	8100 x 0.005 g	6100 x 0.05 g	11000 x 0.05 g	16000 x 0.05 g
	Momme	165.3 x 0.0005 g	293.3 x 0.0005 g	432.0 x 0.0005 g	325 x 0.005 g	586 x 0.005 g	853 x 0.005 g
	Pennyweight	398 x 0.001 g	707 x 0.001 g	1041 x 0.001 g	784 x 0.01 g	1414 x 0.01 g	2057 x 0.01 g
	Grain (UK)	9568 x 0.02 g	16975 x 0.02 g	25000 x 0.02 g	18827 x 0.2 g	33951 x 0.2 g	49383 x 0.2 g
	Tael (HK general, Singapore)	16.40 x 0.00005 g	29.10 x 0.00005 g	42.85 x 0.00005 g	32.2 x 0.0005 g	58.2 x 0.0005 g	84.6 x 0.0005 g
	Tael (HK jewelry)	16.56 x 0.00005 g	29.38 x 0.00005 g	43.28 x 0.00005 g	32.5 x 0.0005 g	58.7 x 0.0005 g	85.4 x 0.0005 g
	Tael (Taiwan)	16.53 x 0.00005 g	29.33 x 0.00005 g	43.20 x 0.00005 g	32.5 x 0.0005 g	58.6 x 0.0005 g	85.3 x 0.0005 g
	Tael (China)	19.84 x 0.00005 g	35.20 x 0.00005 g	51.84 x 0.00005 g	39.0 x 0.0005 g	70.4 x 0.0005 g	102.4 x 0.0005 g
	Tola (India)	53.1 x 0.0001 g	94.3 x 0.0001 g	138.8 x 0.0001 g	104 x 0.001 g	188 x 0.001 g	274 x 0.001 g
	Mesghal	132.2 x 0.0005 g	234.6 x 0.0005 g	345.6 x 0.0005 g	260 x 0.005 g	769 x 0.005 g	682 x 0.005 g

<sup>^</sup> Weighing Chamber

# Apollo GF Series

Analytical and Toploader Balances

## Specifications

	GF-4002A	GF-6002A	GF-6001A	GF-10001A	GF-10002A	
Part#	191716	191717	192486	192487	191718	
List Price	\$1,899.00	\$2,310.00	\$1,575.00	\$1,645.00	\$2,850.00	
Capacity	4,200 g	6,200 g	6,200 g	10,200 g	10,200 g	
Resolution	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 sec.				Approx. 1.5 sec.	
Operating Temperature	41° F to 104° F (5° C to 40° C)					
Weighing Chamber	-					
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					
UNIT OF MEASURE	Gram	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)	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	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	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	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	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	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	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)	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)	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)	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)	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)	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)	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	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	

### Part Number/Price

Part #	Model #	Description	Price
200327	GF-124A^	120 g x 0.0001 g	\$2,525.00
191707	GF-203A	220 g x 0.001 g	\$1,375.00
200328	GF-224A^	220 g x 0.0001 g	\$2,750.00
191708	GF-303A	320 g x 0.001 g	\$1,525.00
200329	GF-324A^	320 g x 0.0001 g	\$3,560.00
191709	GF-403A	420 g x 0.001 g	\$1,675.00
191710	GF-603A	620 g x 0.001 g	\$1,975.00
191711	GF-1003A	1,100 g x 0.001 g	\$2,375.00
191712	GF-1603A	1,620 g x 0.001 g	\$3,054.90
191713	GF-1202A	1,220 g x 0.01 g	\$1,375.00
191714	GF-2002A	2,200 g x 0.01 g	\$1,425.00
191715	GF-3002A	3,200 g x 0.01 g	\$1,475.00
191716	GF-4002A	4,200 g x 0.01 g	\$1,899.00
191717	GF-6002A	6,200 g x 0.01 g	\$2,310.00
192486	GF-6001A	6,200 g x 0.1 g	\$1,575.00
192487	GF-10001A	10,200 g x 0.1 g	\$1,645.00
191718	GF-10002A	10,200 g x 0.01 g	\$2,850.00

### Options/Accessories

Part #	A&D Model #	Description	Price
192662	GXA-03	RS-232C Interface (D-sub 9P male)	\$230.00
192663	GXA-04	Comparator output (requires 192667)	\$220.00
192667	AX-K05692	MiniDIN 8 pin male for GXA-04	\$45.00
192671	GXA-06	Analog output (includes 192673)	\$220.00
192673	AX-K05693	MiniDIN 4 pin male for GXA-06	\$45.00
192674	GXA-09	Internal rechargeable battery (must be factory installed)	\$459.00
192675	GXA-10	Large glass breeze break	\$321.00
192676	GXA-12	Animal weighing pan (for models of 320 g capacity or higher)	\$139.00
192677	GXA-13	Density determination kit (for 1 mg models only)	\$503.00
192678	GXA-17	Large breeze break with built-in fanless ionizer (static eliminator)	\$925.00
192679	GXA-23-PRINT	External key input interface for SW:137-PRINT foot switch	\$210.00
192680	GXA-23-RZERO	External key input interface for SW:137-REZERO foot switch	\$210.00
192681	GXA-23-PLUG	External key input interface for AX-T-314A-S plug	\$203.00
192682	GXA-24	USB host interface (USB A type)	\$108.00
192683	GXA-25	External fanless ionizer (static eliminator)	\$811.00
192684	GXA-26	External IR switch (MiniDIN 4 pin male)	\$171.00