

**AD-4212A Series**

Analytical Balances

Capacity: 110g-1100g    Readability: 0.00001 g-0.001 g

**Standard Features**

- Comparator output (Hi/OK/Lo) feature for manual or automatic operation as well as buzzer function
- GLP/GMP compliant software output
- Breeze break for maximum accuracy and fastest response
- Standard calibration weight
- Simple operator reference card provided
- Multi-weighing units
- Time and date clock function
- Data memory function for weighing, calibration, counting and Hi/OK/Lo values
- Counting and percent mode
- Super Hybrid Sensor Technology (SHS)
- WinCT® communication tools software
- RS-232C bidirectional interface

**Specifications**

	AD-4212A-100	AD-4212B-102	AD-4212A-200	AD-4212B-201	
Part #	97654	102925	97655	102926	
List Price	\$5,660.00	\$8,750.00	\$4,970.00	\$6,695.00	
Capacity	110g	110g	210g	210g	
Resolution	0.0001 g	0.00001 g	0.001 g	0.0001 g	
Operating Modes	Counting, Percentage				
Repeatability (Std. Dev.)	0.00015 g	0.00015 g	0.001 g		
Linearity	±0.0003 g	±0.0003 g	±0.002 g	±0.002 g	
Stabilization Time (typical)	0 g-30 g Approx. 1.1 sec	0 g-30 g Approx. 1.1 sec	0 g-30 g Approx. 0.8 sec	0 g-30 g Approx. 0.8 sec	
	30 g-110 g Approx. 1.3 sec	30 g-110 g Approx. 1.3 sec	30 g- 210 g Approx. 1.0 sec	30 g-210 g Approx. 1.0 sec	
Sensitivity Drift	±2 ppm/°C 10°C to 30°C (50°F to 86°F)				
Operating Temperature	41°F to 104°F (5°C to 40°C) 85% RH or less (no condensation)				
I/O Interface	RS-232C	Bidirectional 600-19,200			
	Comparator Output	3 level output with buzzer			
	External Contact Input	Re-zero and print			
Weighing Unit	Dimensions	(W x D x H) 3.2 x 9.1 x 3.5 in (80 x 230 x 90 mm)			
	Weighing Pan	2 x 2 in (50 x 50 mm)			
Display Unit	Weight	Approx. 2 kg			
	Dimensions	(W x D x H) 9.3 x 6.0 x 6.1 in (237 x 150 x 155 mm)			
Connection Cable	Weight	Approx. 2 kg			
	Shipping Weight	Approx. 2 m (between weighing unit and display unit)			
Calibration Weight (OIML F1) (OPT)	50 g	50 g	100 g	100 g	
Power Supply	120V AC Adapter, 11 VA				
Warranty	Five-year Limited Warranty				
Return Policy	A&D Weighing Standard Policy - restock fee may apply				
UNIT OF MEASURE	Milligram	110,000.0 x 0.1 mg	110,000.0 x 0.01 mg	2,100,000 x 1 mg	210,000 x 0.1 mg
	Ounce	3.880135 x 0.000005 oz	3.880135 x 0.000005 oz	7.40755 x 0.00005 oz	7.40755 x 0.00005 oz
	Troy Ounce	3.536580 x 0.000005 ozt	3.536580 x 0.000005 ozt	6.75165 x 0.00005 ozt	6.75165 x 0.00005 ozt
	Carat	550.0 x 0.0005 ct	550.0 x 0.0005 ct	1,050.0 x 0.0005 ct	1,050.0 x 0.0005 ct
	Momme	29.33335 x 0.00005 mom	29.33335 x 0.00005 mom	56.0 x 0.0005 mom	56.0 x 0.0005 mom
	Pennyweight	70.7316 x 0.0001 dwt	70.7316 x 0.0001 dwt	135.033 x 0.001 dwt	135.033 x 0.001 dwt
	Grain	1,697.56 x 0.002 GN	1,697.56 x 0.002 GN	3,240.80 x 0.02 GN	3,240.80 x 0.02 GN
	Tael (HK Gen, Singapore)	2.910100 x 0.000005 TL	2.910100 x 0.000005 TL	5.55565 x 0.00005 TL	5.55565 x 0.00005 TL
	Tael (HK jewelry)	2.938900 x 0.000005 TL	2.938900 x 0.000005 TL	5.61060 x 0.00005 TL	5.61060 x 0.00005 TL
	Tael (Taiwan)	2.933335 x 0.000005 TL	2.933335 x 0.000005 TL	5.600 x 0.00005 TL	5.600 x 0.00005 TL
	Tael (China)	3.520 x 0.00005 TL	3.520 x 0.00005 TL	6.7200 x 0.00005 TL	6.7200 x 0.00005 TL
	Tola (India)	9.43089 x 0.00001 to	9.43089 x 0.00001 to	18.0044 x 0.0001 to	18.0044 x 0.0001 to
	Mesghal	23.46665 x 0.00005	23.46665 x 0.00005	44.80 x 0.0005	44.80 x 0.0005

## Specifications

		AD-4212B-301	AD-4212A-600	AD-4212A-1000		
Part#		102927	97656	97657		
List Price		\$7,440.00	\$5,485.00	\$5,690.00		
Capacity		310g	610g	1,100g		
Resolution		0.0001 g	0.001 g			
Operating Modes		Counting, Percentage				
Repeatability (Std. Dev.)		0.001 g				
Linearity		±0.002 g	±0.0003 g			
Stabilization Time (typical)	0-30 g	Approx. 0.8 seconds	0-30 g	Approx. 0.9 seconds	0-30 g	Approx. 0.9 sec
	30-210 g	Approx. 1.0 second	30-610 g	Approx. 1.1 seconds	30-1100 g	Approx. 1.1 sec
Sensitivity Drift		±2 ppm/°C 50°F to 86°F (10°C to 30°C)				
Operating Temperature		41°F to 104°F (5°C to 40°C) 85% RH or less (no condensation)				
I/O Interface	RS-232C	Bidirectional 600-19,200				
	Comparator Output	3 level output with buzzer				
	External Contact Input	Re-zero and print				
Weighing Unit	Dimensions	(W x D x H) 3.2 x 9.1 x 3.5 in (80 x 230 x 90 mm)				
	Weighing Pan	2 x 2 in (50 x 50 mm)	2.8 x 2.8 in (70 x 70 mm)			
	Weight	Approx. 2 kg				
Display Unit	Dimensions	(W x D x H) 237 W x 150 D x 155 mm H				
	Weight	Approx. 2 kg				
Connection Cable		Approx. 2 m (between weighing unit and display unit)				
Shipping Weight		8.5 lb (4 kg)				
Calibration Weight (OIML F1)(OPT)		100g	200g			
Power Supply		120V AC Adapter, 11 VA				
Warranty		Five-year Limited Warranty				
Return Policy		A&D Weighing Standard Policy - restock fee may apply				
UNIT OF MEASURE	Milligram	2,100,000 x 1 mg	660,000 x 0.00005 mg	1,210,000 x 0.00005 mg		
	Ounce	7.40755 x 0.00005 oz	23.28081 x 0.00005 oz	42.681485 x 0.00005 oz		
	Troy Ounce	6.75165 x 0.00005 ozt	21.21948 x 0.00005 ozt	38.90238 x 0.00005 ozt		
	Carat	1050.0 x 0.005 ct	3300 x 0.005 ct	6050 x 0.005 ct		
	Momme	56.0 x 0.0005 mom	176.0001 x 0.0005 mom	322.66685 x 0.0005 mom		
	Pennyweight	135.033 x 0.001 dwt	424.3896 x 0.001 dwt	778.0476 x 0.001 dwt		
	Grain	3,240.80 x 0.02 GN	10,185.36 x 0.02 GN	18,673.16 x 0.02 GN		
	Tael (HK Gen, Singapore)	5.55565 x 0.00005 TL	17.4606 x 0.00005 TL	32.0111 x 0.00005 TL		
	Tael (HK jewelry)	5.61060 x 0.00005 TL	17.6334 x 0.00005 TL	32.3279 x 0.00005 TL		
	Tael (Taiwan)	5.600 x 0.00005 TL	17.60001 x 0.00005 TL	32.266685 x 0.00005 TL		
	Tael (China)	6.7200 x 0.00005 TL	21.12 x 0.00005 TL	38.72 x 0.00005 TL		
	Tola (India)	18.0044 x 0.0001 to	56.58534 x 0.0001 to	103.73979 x 0.0001 to		
	Mesghal	44.80 x 0.0005	140.7999 x 0.0005	258.13315 x 0.0005		

## Part Number/Price

Part#	A&D Model #	Description	Price
97654	AD-4212A-100	110g x 0.0001 g	\$5,660.00
102925	AD-4212B-102	110g x 0.00001 g	\$8,750.00
97655	AD-4212A-200	210g x 0.001 g	\$4,970.00
102926	AD-4212B-201	210g x 0.0001 g	\$6,695.00
102927	AD-4212B-301	210g x 0.0001 g	\$7,440.00
97656	AD-4212A-600	610g x 0.001 g	\$5,485.00
97657	AD-4212A-1000	1,100g x 0.001 g	\$5,690.00

## Options/Accessories

Part#	A&D Model #	Description	Price
97672	AD-4212A-01	BCD output (factory installed, four month lead time)	\$577.00
97674	AD-4212A-07	Extension cable, 3 m	\$164.00
97675	AD-4212A-08	Ethernet Interface with WinCT	\$788.00
97676	AD-4212A-19	Stainless steel breeze break (200g only)	\$106.00