

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 | | 310 g | 610 g | 1,100 g | | |
| 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) | | 100 g | 200 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 | 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 | 110 g x 0.0001 g | \$5,660.00 |
| 102925 | AD-4212B-102 | 110 g x 0.00001 g | \$8,750.00 |
| 97655 | AD-4212A-200 | 210 g x 0.001 g | \$4,970.00 |
| 102926 | AD-4212B-201 | 210 g x 0.0001 g | \$6,695.00 |
| 102927 | AD-4212B-301 | 210 g x 0.0001 g | \$7,440.00 |
| 97656 | AD-4212A-600 | 610 g x 0.001 g | \$5,485.00 |
| 97657 | AD-4212A-1000 | 1,100 g 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 (200 g only) | \$106.00 |

**Standard Features**

- Compact Super Hybrid Sensor Technology (SHS)
- Vacuum Fluorescent Display (VFD)
- GLP/GMP/ISO compliant to either AD-8121 printer or computer. Transmits date, time, ID number, serial number and calibration data
- RS-232C bidirectional communication
- Multiple units of measurement
- Response indicator function
- Weighing chamber
- Underhook weighing

Options:

- Built-in rechargeable battery
- Quick USB interface (FXi-02) option
- LAN-Ethernet interface
- WinCT © communication tools software

Note: FXi NTEP and FXi models available by special order (internal calibration)

Specifications

| | FX-120i [^] | FX-200i [^] | FX-300i [^] | FX-300iNC [^] |
|--|--|-------------------------|--------------------------|------------------------|
| Part # | 98021 | 98022 | 98023 | — |
| List Price | \$1,065.00 | \$1,100.00 | \$1,160.00 | — |
| Canada Part # | — | — | — | 168077 |
| Canada List Price | — | — | — | \$1,210.00 |
| Capacity | 122 g | 220 g | 320 g | 320 g |
| Resolution | 0.001 g | 0.001 g | 0.001 g | 0.001 g |
| Operating Modes | Weigh, Count, Percent, Animal Weighing, Statistical, Hold and Comparator | | | |
| Repeatability | 0.001 g | | | |
| Linearity | ±0.002 g | | | |
| Stabilization Time | Approx. 1 second | | | |
| Sensitivity Drift | ±2 ppm/° C | | | |
| Display Refresh Rate | 5 times / second, 10 times / second or 20 times / second | | | |
| Operating Temperature | 41° F to 104° F (5° C to 40° C) 85% RH or less (no condensation) | | | |
| Pan Size | 130 mm (5.12 in) | | | |
| Dimensions | (W x D x H) 7.6 x 10.3 x 3.3 in (193 x 262.5 x 84.5 mm) | | | |
| Weight | Approx. 2.5 kg | | | |
| Est. Ship Weight | 8 lb (3.5 kg) | | | |
| External Calibration (weight optional) | 100 g | 200 g | 300 g | 300 g |
| Power Consumption | 120/240V AC adapter, approx. 11 VA | | | |
| Approvals | - | - | - | e=0.01g, AM-5692 |
| Warranty | Five-year Limited Warranty | | | |
| Return Policy | A&D Weighing Standard Policy - restock fee may apply | | | |
| UNIT OF MEASURE Decimal Ounce | 4.30 x 0.00005 oz | 7.76 x 0.00005 oz | 11.28 x 0.00005 oz | — |
| Pound | 0.268 x 0.000005 lb | 0.485 x 0.000005 lb | 0.705 x 0.000005 lb | — |
| Pound/Ounce | 0 lb, 4.30 oz x 0.01 oz | 0 lb, 7.76 oz x 0.01 oz | 0 lb, 11.29 oz x 0.01 oz | — |
| Troy Ounce | 3.92 x 0.00005 ozt | 7.07 x 0.00005 ozt | 10.28 x 0.00005 ozt | — |
| Carat | 610 x 0.005 ct | 1,100 x 0.005 ct | 1,600 x 0.005 ct | — |
| Pennyweight | 78.6 x 0.001 dwt | 141.7 x 0.001 dwt | 206.2 x 0.001 dwt | — |
| Grain Unit | 1,882 x 0.02 GN | 3,395 x 0.02 GN | 4,938 x 0.02 GN | — |

[^]Weighing Chamber