Taking Weighing **Precision** and **Protection** to New Heights

Advanced Sensor Technology

Smart-SHS the latest advancement in our super hybrid design, construction and algorithms.

- Increased productivity via faster stabilization times (1 second in fast mode).
- Lower cost of ownership due to reduced number of parts and maintenance accessibility.

High capacity balances with safeguards for extended life

The A&D Apollo High Capacity GF-M / GX-M are designed to provide protection against common workplace accidents, preventing loss due to downtime.

- IP65 Protection prevents the ingress of dust and water. GF-M / GX-M balances are optimal for environments with the potential for spillage or with stringent wash-down requirements.
- Impact shock detection is standard on all models and measures and stores the force of any potentially damaging load placed on the balance. This can help identify when a unit needs to be re-calibrated or serviced to guarantee optimal performance.

Practical Features

Leveling Made Easy

- Bright-bubble – Large, easy-to-see, front mounted spirit level with LED Illumination.
- Fly-thumbwheel is effortless and accessible which allows for ergonomic adjustment of the anti-slip feet.

Simple User Interface

- Six straightforward keys – ON|OFF, CAL, MODE, SAMPLE, PRINT, Re-Zero.
- Large reverse backlit LCD with black and white contrast provides excellent visibility even at a distance.

Cleanable Robust Construction

- Stainless Steel Pan & Dust-plate can be easily removed for cleaning.
- Die-cast Aluminum housing provides extra stability and durability.

Flexible Interface and Security

- Standard RS-232C and USB – Toggle between the Quick USB mode or Virtual COM mode (bi-directional). A USB cable comes standard.

Accuracy & Precision Management

- All GX-M models can be set to calibrate themselves automatically in response to a change in ambient temperature, at set time intervals or at predetermined times, ensuring accurate measurements throughout the day.
- With Automatic precision assessment (APA) all GF-M / GX-M models can diagnose whether there is a critical failure (Dia-check) and then display a repeatability test result with the minimum weight (QuickMin-S), all calculated using an electronically controlled load (ECL).

Special Application

Flow rate display (FRD)

- GF-M and GX-M models can calculate and display the mass flow rate or volume flow rate, allowing for easier calculation of flow rate measurement.

KEY FEATURES:

- Super Hybrid Sensor
- GF-M External Calibration
- GX-M Internal Calibration
- USB - Bidirectional Standard
- RS-232C Standard
- Ethernet Interface Option
- Wireless BT Option

Specifications

Models	Internal calibration	GX-8202M	GX-8202MD	GX-10202M	GX-12001M	GX-22001M	GX-32001M	GX-32001MD
	External calibration	GF-8202M	GF-8202MD	GF-10202M	GF-12001M	GF-22001M	GF-32001M	GF-32001MD
Capacity		8.2 kg	2.2 kg / 8.2 kg*i	10.2 kg	12.2 kg	22.2 kg	32.2 kg	6.2 kg / 32.2 kg*i
Readability		0.01 g	0.01 g / 0.1 g*i	0.01 g	0.1 g			0.1 g / 1 g*i
Repeatability (standard deviation)		0.01 g	0.01 g / 0.05 g	0.01 g	0.1 g			0.1 g / 0.5 g
Linearity		±0.03 g	±0.02 g / ±0.1 g	±0.03 g	±0.2 g			±0.2 g / ±1 g
Stabilization time (typical when set to FAST)		Approx. 1.5 seconds						
Sensitivity drift (10 to 30 °C/50 to 86 °F, when automatic self calibration is OFF)		±2 ppm/°C	±3 ppm/°C	±2 ppm/°C	±3 ppm/°C			±5 ppm/°C
Accuracy immediately after internal calibration (for the GX-M series)*ii		±0.15 g	±0.3 g	±0.15 g	±1.0 g		±1.5 g	±3 g
Operating environment		5 to 40 °C (41 to 104 °F), 85%RH or less (no condensation)						
Data memory		200 weighing results + 50 calibration results (with timestamp), 50 unit masses for counting mode, 20 sets of upper/lower limit values for comparator mode, and 20 tare values						
Display refresh rate		5 times/second, 10 times/second, or 20 times/second						
Units of measure*iii		g (gram), kg (kilo gram), oz (ounce), lb (pound), lb-oz (pound-ounce), ozt (troy ounce), ct (metric carat), mom (momme), dwt (pennyweight), gr (grain), pcs (counting mode), % (percent mode), SG (density mode), and a user-programmable unit						
Counting mode	Min unit mass	0.01 g	0.1 g	0.01 g	0.1 g			1 g
	Number of samples	10, 25, 50 or 100 pieces						
Percent mode	Min 100% reference mass	1 g	10 g	1 g	10 g			100 g
	% readability	0.01%, 0.1% or 1% (depends on the reference mass stored)						
Communication interface		RS-232C and USB						
Applicable calibration weight value		2 kg, 3 kg, 4 kg, 5 kg, 6 kg, 7 kg, 8 kg	2 kg, 3 kg, 4 kg, 5 kg, 6 kg, 7 kg, 8 kg, 9 kg, 10 kg		5 kg, 10 kg	5 kg, 10 kg, 20 kg	10 kg, 20 kg, 30 kg	
Weighing pan size		270 × 210 mm						
External dimensions		300 (W) × 355 (D) × 111 (H) mm						
Net weight		GX-M: Approx. 9.3 kg / GF-M: Approx. 8.3 kg						
Dust and waterproof rating		IP65						
Power supply / consumption		AC adapter / approx. 30 VA						
Standard Accessories		Display cover, AC adapter, USB cable (1.8 m), Simple breeze break (for the GX/F-8202M, GX/F-8202MD, and GX/F-10202M only)						

*i Smart range function: Automatically switches between the precision and standard ranges, and recovers the full precision range with a press of the RE-ZERO (tare) key.
*ii Under a stable environment: No rapid temperature/humidity change, vibration, draft, magnetism, static, etc., between 10 °C and 30 °C (50 °F and 86 °F). The mass of the internal weight may vary with age.
*iii One additional unit from tael (Singapore/HK jewelry/Taiwan), tola, or Newton can be added upon request. Grain is not available with the GX/F-32001MD.

Dimensions (mm/inch)

300 / 11.81

270 / 10.63

10 / 0.39

355 / 13.98

345 / 13.58

210 / 8.27

110 / 4.33

250 / 9.84

25 / 0.98

204.5 / 8.05

237 / 9.33

63 / 2.48

111 / 4.37