A&D Weighing

A&D APOLLO GX-A/GX-AE

# TAKE WEIGHING **PRECISION** AND **PROTECTION** TO NEW HEIGHTS

## Advanced Sensor Technology

**Smart-SHS** the latest advancement in our super hybrid design, construction & algorithms

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

## Innovative Solutions

**Electronically Controlled Load (ECL)** Initially does a self-diagnostic before performing an internal repeatability test without an external weight in < 1.5 minutes.

- *Dia-Check* is the diagnostic result that validates if the balance critically passes or fails.
- *SD* is standard deviation that allows for daily precision check ideal for S.O.P's
- *QuickMin-S* determines minimum sample weight in any given environment.
- *Min-S Alert* **–** Alerts user to ensures they are operating within USP41 compliance.

**Impact Shock Detection (ISD)**

- *Impact-Alert* visually & audible indicates the magnitudes of impact shocks.
- *Shock-log* documents date, time, and shock level.

**Flow Rate Display (FRD)** streamline & improve filling or dosing accuracy & precision.

- *FR-Cal* calculates, displays/outputs the mass or volume flow rate by entering density.
- *FR-Compare* is a comparator which provides feedback if the flow rate is within limits.
- *FR-Secure* stores tare values in our non-volatile memory if application was disrupted.

## Good Data Management

- **External Calibration** easy one touch button performs & document external calibration.
- **Universal Flexi Coms** (UFC) edit serial data output making label printing possible.
- **Password-Protect** offers password-protection up to 11 users and 1 administrator.
- **GLP/GMP/GCP Compliance** outputs manufacturer, model, serial number, ID, date, time, signature for full calibration report.

## Practical Features

**Leveling Made Easy**

- Plug in, turn on, screen blinks for 5 seconds to prompt user to level.
- *Bright-bubble* – Large, easy-to-see, front mounted spirit level with LED Illumination.
- *Fly-thumbwheel* is effortless & accessible allows ergonomic adjustment with anti-slip feet.

**Simple User Interface**

- *Six straightforward keys* – ON/OFF, CAL, MODE, SAMPLE, PRINT, REZERO.
- *Reverse Backlit LCD* is a large display with great B&W contrast provides excellent visibility.

**Clean Robust Construction**

- *Eliminate static interference* with built-in fanless ionizer (only AE versions).
- *Stainless Steel Pan & Dust-plate* can be easily removed for cleaning.
- *"Click & Lift"* detachable chamber & collapsible side doors that save on space.
- *Die-cast Aluminum* housing provides extra stability and durability.

**Flexible Interface & Security**

- *Standard RS-232C & USB* – Toggle between the Quick USB mode or Virtual COM mode (bi-directional). A USB cable comes standard.
- *Security Slot* – Anti-theft lock (such as Kensington) to prevent loss.

## KEY FEATURES:

- Super Hybrid Sensor
- GX-AE Static Eliminator
- GX-A/AE Internal Calibration
- ECL Electronically Controlled Load
- ISD Impact Shock Detection
- FRD Flow Rate Display
- RS-232C
- Universal Flexi Coms
- Password Protect

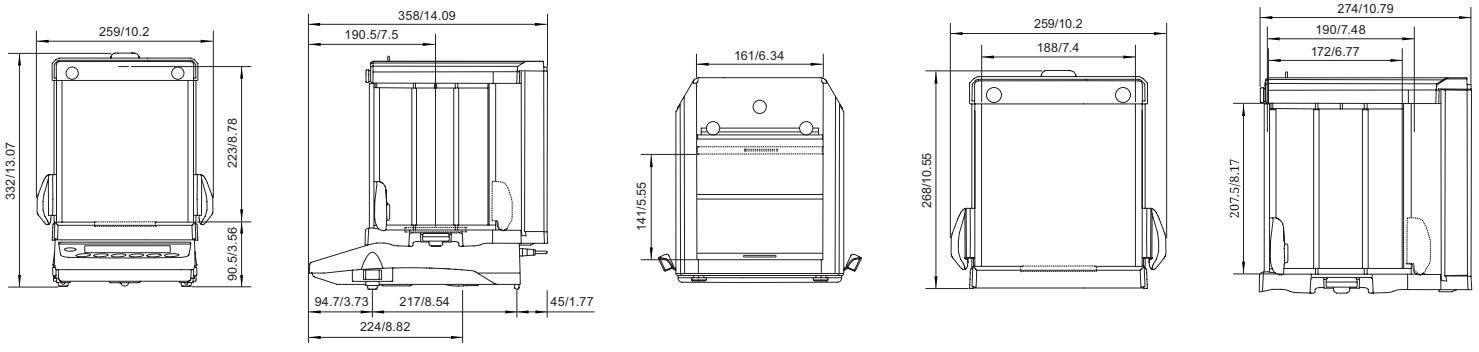
## Specifications

| | | GX-124AE* / GX-124A | GX-224AE* / GX-224A | GX-324AE* / GX-324A |
|---|---|---|---|---|
| Capacity | | 122 g | 220 g | 320 g |
| Readability | | 0.0001 g | | |
| Repeatability (std. deviation) | | 0.0001 g | | 0.0002 g (300 g)<br>0.0001 g (200 g) |
| Minimum weight[1] (typical) | | 120 mg | | |
| Linearity | | ±0.0002 g | | ±0.0003 g |
| Stabilization Time (when set to FAST under a good environment) | | Approx. 1.5 sec (100 g) | Approx. 2 sec (200 g)<br>Approx. 1.5 sec (100 g) | Approx. 2 sec (300 g)<br>Approx. 1.5 sec (100 g) |
| Sensitivity drift | | ±2 ppm/°C (10 to 30 °C/50 to 86 °F, when automatic self calibration is OFF) | | |
| Operating environment | | 5 to 40 °C (41 to 104 °F), 85%RH or less (no condensation) | | |
| Display refresh rate | | 5 times/sec, 10 times/sec or 20 times/sec | | |
| Units of measure[2] | | mg (milligram), g (gram), oz (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 | Minimum unit mass | 0.0001 g | | |
| | Number of samples | 5, 10, 25, 50 or 100 pieces | | |
| Percent mode | Minimum 100% reference mass | 0.0100 g | | |
| | % readability | 0.01%, 0.1% or 1% (depends on the reference mass stored) | | |
| Communication interface | | RS-232C and USB | | |
| Calibration | Type | GX= Internal GF= External | GX= Internal GF= External | GX= Internal GF= External |
| | Wt. g. | 50 g<br>100 g | 50 g<br>100 g<br>200 g | 50 g<br>100 g<br>200 g<br>300 g |
| Weighing pan size | | Ø90 mm | | |
| External dimensions | | 259 (W) × 358 (D) × 332 (H) mm (including the large glass breeze break) | | |
| Net weight | | Approx. 7 kg | | |
| Power supply / consumption | | AC adapter / approx. 30 VA | | |

1 Under stable environment (no rapid temperature/humidity change, vibration, draft, magnetism, static, etc). The mass of the internal weight may vary with age.
2 One additional unit from tael (Singapore/HK jewelry/Taiwan/China), tola or Newton can be added upon request.
* AE versions comes standard with built in fanless ionizer with external touchless sensor.

## Dimensions (mm/inch)

Models with readability of 0.0001g

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