

# **A&D APOLLO GF-A**

# 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

- · Level me prompt, 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.

#### **Cleanable Robust Construction**

- · 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



**GF-A External** Calibration



ECL Electronically **Controlled Load** 



**ISD** Impact Shock Detection







**RS-232C** 



Universal Flexi Coms



Password Protect

# A&D APOLLO GF-A

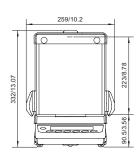
# **Specifications**

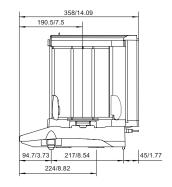
-		GF-124A	GF-224A	GF-324A
Capacity		122 g	220 g	320 g
Readability		0.0001 g		
Repeatability (std. deviation)		0.0001 g		0.0002 g (300 g) 0.0001 g (200 g)
Minimum weight <sup>1</sup> (typical)		120 mg		
Linearity		±0.0002 g		±0.0003 g
Stabilization Time (when set to FAST under a good environment)		Approx. 1.5 sec (100 g)	Approx. 2 sec (200 g) Approx. 1.5 sec (100 g)	Approx. 2 sec (300 g) 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 <sup>2</sup>		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		
Applicable calibration weight value		50 g 100 g	50 g 100 g 200 g	50 g 100 g 200 g 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		

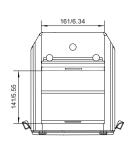
1 Under stable environment (no rapid temperature/humidity change, vibration, draft, magnetism, static, etc). The mass of the internal weight may vary with age. 2 One additional unit from tael (Singapore/HK jewelry/Taiwan/China), tola or Newton can be added upon request.

# Dimensions (mm/inch)

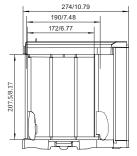
Models with readability of 0.0001g













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