

Multi-functional Precision Balances

GX/GF

Series



GX-400
(with optional glass breeze break)

GX-600
(with standard breeze break)



AND ...Clearly a Better Value
A&D Company, Limited
<http://www.aandd.jp>

The World's Most Used

Our Super Hybrid Sensor^{*}(SHS), which combines the best parallelogram load sensing technologies, offers you the u



Internal Calibration

The GX internal calibration with an internal mass saves time and money. External calibration requires a great deal of skill and time as well as an expensive external mass. With our internal calibration with internal mass, the balance can be calibrated very quickly.

- Automatic self calibration – Self-calibrates automatically when the balance detects ambient temperature changes
- One touch automatic calibration – Allows you to calibrate the balance on demand with just the push of a button



Quick USB Interface (GX-02)

Easy-to-use optional USB interface, with no driver or software installation necessary, for transfer of weighing data to a computer (applicable OS – Windows 98 OSR2 or later)



Standard RS-232C Interface

Incorporates bi-directional communication with a PC, printer or other peripheral devices



Standard Windows Communication Tools Software - WinCT

A free copy of WinCT – A&D's powerful and flexible data collection software tool for virtually instant connection to a PC and a network of other devices (with RS-232C only)



GLP/GMP/GCP/ISO Compliant

In accordance with GLP and LIMS regulations, the balance ID number and calibration data can be printed out using A&D's AD-8121B or a PC.

```
MODEL 6X-2000
S/N 01234567
ID ABCDEF6
DATE 2007/04/16
TIME 12:34:56
CALIBRATED<INT.>
SIGNATURE
```



VFD – Vacuum Fluorescent Display

Large VFD for easy-to-read weighing results



Auto Power ON Function

The weighing mode display activates automatically with AC power so there is no need to press the ON/OFF key.



Auto Power OFF Function

The display switches OFF automatically when the balance is inactive for 10 minutes, as a power-saving tool.

Multiple Weighing Units
Programmable or standard units (g, ct, dwt, etc.)



Splash Proof
Balance protected from dust and spills

Quick Reference Card
A convenient operating guide located at the bottom of the balance



Automatic Response Adjustment
Automatically checks its performance and sets its response characteristics

Auto Re-zero
Re-Zeroes automatically after data output

Large Weighing Pan
Large square weighing pan for all models

r-Friendly Balances...

of magnetic force restoration and single point ultimate in response speed – Just 1 Second!

**Patent approved*

ANIMAL *Animal Weighing Function*

The HOLD function enables freezing of weighing data for animal weighing applications and an ANIMAL indicator appears on the display. Optional animal weighing pan (GX-12) is available.



ACAI – Automatic Counting Accuracy Improvement

This counting function recalculates the average unit weight each time a sample is added to eliminate errors caused by variations in unit weight.



Comparator Function

Easy to compare weighing results by setting HI limit and LO limit to display HI,OK,LO indicator. Optional comparator output (GX-04) is available.



Pecent Mode Function

A sample can be registered as 100% and the weight of another sample can be compared as a percentage.



Underhook

The underhook, for hanging applications, allows for measurement of magnetic materials and density measurements in air and water.

Density Measurement Function

An optional Density Determination Kit (GX-13) is available.



GX-13

Capacity Indicator Function

The weight on the pan is displayed as a percentage of full capacity.

Response Indicator Function

Selectable FAST, MID or SLOW response to suit weighing environment conditions - Automatic Adjustable Environment Setting is available for the GX.

PC Commands

Using a PC, the user can control and send commands to the balance (memory, comparator functions, data etc.)

ID ID Number

A balance ID number can be set to identify the balance when GLP is used. The ID number can be recalled even if the AC adapter is removed.



Data Memory

Formattable Data Memory



Time & Date (GX only)

Standard Time & Date comply with GLP and Interval Weighing in the Data Memory

Interval Settings

Weighing intervals of 2, 5, 10, 30 seconds and 1, 2, 5, 10 minutes

Air Bubble Leveling

Verify if balance is level (at front left of balance)

Specifications	GX-200		GX-400		GX-600		GX-800		GX-1000		GX-2000		GX-4000		GX-6100		GX-6000		GX-8000			
	GF-200	GF-300	GF-400	GF-600	GF-800	GF-1000	GF-1200	GF-2000	GF-3000	GF-4000	GF-6100	GF-6000	GF-8000	GF-2000	GF-3000	GF-4000	GF-6100	GF-6000	GF-8000	GF-2000	GF-3000	
Weighing capacity	210g	310g	410g	610g	810g	1100g	1210g	2100g	3100g	4100g	6100g	6100g	8100g	2100g	3100g	4100g	6100g	6100g	8100g	2100g	3100g	
Minimum weighing value	0.001g						0.01g						0.1g									
Repeatability (Standard Deviation)	0.001g						0.01g						0.1g									
Linearity	±0.002g			±0.003g			±0.02g			±0.03g			±0.1g			±0.1g			±0.1g			
Stabilization time (typical at FAST)	Approx. 1second				Approx. 1.5 seconds				Approx. 1 second				Approx. 1.5seconds		Approx. 1 second							
Sensitivity drift (10°C to 30°C/50°F-80°F)	±2ppm/°C (When automatic self calibration is not used)												±5ppm/°C (auto-self calibration OFF)									
Operating temperature	5°C to 40°C (41°F to 104°F), 85%RH or less (No condensation)																					
Sensing method	Super Hybrid Sensor (SHS) *SHS: Patent issued and pending																					
Display type	Vacuum Fluorescent Display (VFD)																					
Display refresh rate	5 times/second or 10 times/second																					
Counting mode	Minimum unit mass		0.001g				0.01g				0.1g				0.1g							
	Number of samples		10, 25, 50 or 100 pieces																			
Percent mode	Minimum 100% reference mass		0.100g				1.00g				10.0g				10.0g							
	Minimum 100% display		0.01%, 0.1%, 1% (Depends on reference mass stored)																			
Standard serial I/F	RS-232C Interface with Windows Communication Tools (WinCT: included as CD-ROM)																					
Weighing pan	128 x 128mm (5.04 x 5.04 inch)						165 x 165mm (6.50 x 6.50 inch)						165 x 165mm (6.50 x 6.50 inch)									
Calibration	Motor-driven Internal Calibration (GX only)																					
External dimensions	210(W) x 317(D) x 86(H)mm (8.27 x 12.48 x 3.39 inch)																					
AC adapter	Confirm that the adapter type is correct for the local voltage and power receptacle																					
Power consumption	Approx. 11 VA (supplied by AC adapter)																					
Net weight	Approx. 4.6kg(GX) / 3.8kg(GF)						Approx. 5.1kg(GX) / 4.3kg(GF)						Approx. 5.1kg(GX) / 4.3kg(GF)									

Notes: The internal mass is equal to (approximately) 500 grams.
 EC Type Approval Confirmed (Approval No. UK2560)
 Standard Breeze break included for 1mg minimum weighing value models

Options

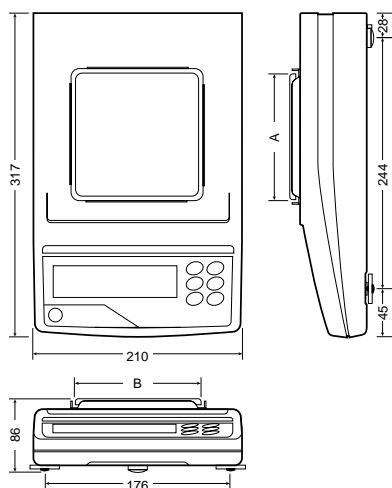
- GX-02¹⁾ Quick USB Interface with cable
- GX-04^{1,2)} Comparator Output with a Buzzer/
RS-232C/Current Loop Output
- GX-06^{1,2)} Analog Output/Current Loop Output
- GX-10 Glass Breeze Break for 128 x 128mm
weighing pan size models
- GX-11 Glass Breeze Break for 165 x 165mm
weighing pan size models
- GX-12 Animal Weighing Pan
(not available for GX-200 and GF-200)
- GX-13 Density Determination Kit for 128 x 128mm
weighing pan size models

1) GX-02, GX-04 GX-06 and standard RS-232C cannot be used at the same time.
 2) Factory installed option

Accessories

- AD-8121B Dot Matrix Compact Printer
- AD-8118B Universal Printer
- AD-8920 Remote Display
- AD-8922 Remote Controller
- AD-1682 Rechargeable Battery Unit
(Maximum operating time: 8 hours)
- AD-1683EX Static Eliminator
- AX-KO1710-200 RS-232C Cable (25P-9P)
- AX-SW-128 Foot Switch
- AX-073003691-S Dust Cover for 128 x 128mm
weighing pan size models
- AX-073003692-S Dust Cover for 165 x 165mm
weighing pan size models
- AX-CARAT BOWL Carat bowl

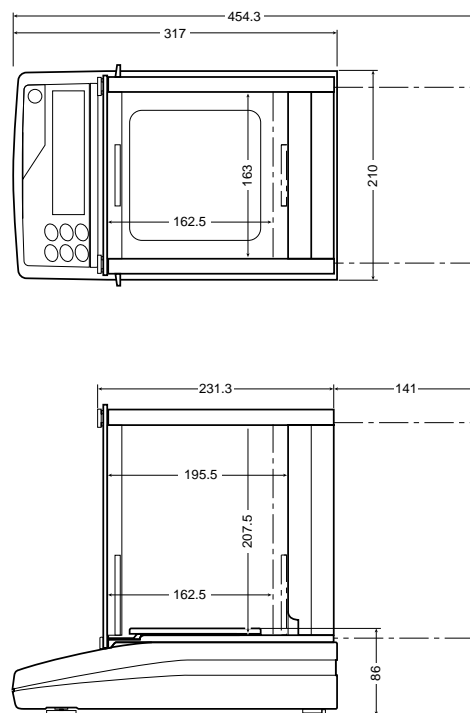
Physical Dimensions (mm)



Pan size (mm)

Model	A	B
GX-200/400/600/800/1000	128	128
GF-200/300/400/600/800/1000		
GX-2000/4000/6100/6000/8000	165	165
GF-1200/2000/3000/4000/6100/6000/8000		

Dimensions With Optional Glass Breeze Break (mm)



Specifications subject to change for improvement without notice.



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