

Multi-functional Precision Balances

GX/GF

Series



GX-400
(with optional glass breeze break)

GX-600
(with standard breeze break)



A&D
A&D Company, Ltd.

Discover Precision

<http://www.aandd.jp>

The World's Most User-Friendly Balances...

Our Super Hybrid Sensor (SHS)*, which combines the best of magnetic force restoration and single point parallelogram load sensing technologies, offers you the ultimate in response speed – Just 1 Second! *Patent Approved

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 (Unidirectional communication from a balance to a PC only. Please use the standard RS-232C interface for sending commands from a PC to the balance.)



GX



(GX)



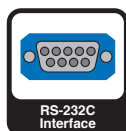
(GF)



Super Hybrid Sensor



VFD Display



RS-232C Interface



GLP Compliant



Clock & Calendar

(GX)



Data Memory Function



Counting with ACAI



Percentage Function



GF

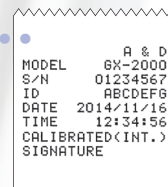
VFD – Vacuum Fluorescent Display

Large VFD is clearly visible even in a poorly-lit workplace.



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.



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.

Quick Reference Card

A convenient operating guide is located at the bottom of the balance.



Density Measurement Function

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

Automatic Response Speed Adjustment (GX only)

The response rate is set automatically at either FAST, MID, or SLOW depending on the environmental conditions. (Manual selection is available for the GF Series.)



GX-13



Animal Weighing



Comparator Function



Auto Power ON



Auto Power OFF



Underhook



EC Type Approval



Software



Quick USB

Optional

(GX)

Specifications

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	
Weighing capacity		210g	310g	410g	610g	810g	1100g	1210g	2100g	3100g	4100g	6100g	6100g	8100g	
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		
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 approved													
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		
	Number of samples	10, 25, 50 or 100 pieces													
Percent mode	Minimum 100% reference mass	0.100g						1.00g					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)							
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. 11VA (supplied by AC adapter)													
Net weight		Approx. 4.6kg(GX)/3.8kg(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

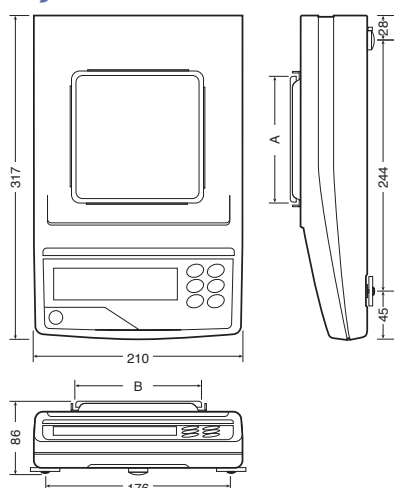
- GX-02¹⁾ Quick USB Interface with cable
- GX-04¹⁾²⁾ Comparator Output with a Buzzer/
RS-232C/Current Loop Output
- GX-06¹⁾²⁾ Analog Output/Current Loop Output
- GX-10 Glass Breeze Break for 128 x 128mm
weighing pan size models
- GX-11 Glass Breeze Break for 165 x 165mm
weighing pan size models
- GX-12 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-1682 Rechargeable battery unit
(Maximum operating time: 8 hours)
- AD-1683 Static eliminator
- AD-1684A Electrostatic fieldmeter
- AD-1687 Weighing environment logger
- AD-1688 Weighing data logger
- AD-1689 Tweezers for calibration weight
- AD-8127 Compact printer
- AD-8526 Serial/ Ethernet converter
- AD-8527 Quick USB adapter
- AD-8920A Remote display
- AD-8922A Remote controller
- AX-USB-25P Serial/USB converter with cable
- AX-KO1710-200 RS-232C cable (25P-9P)
- AX-SW128 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

Physical Dimensions (mm)



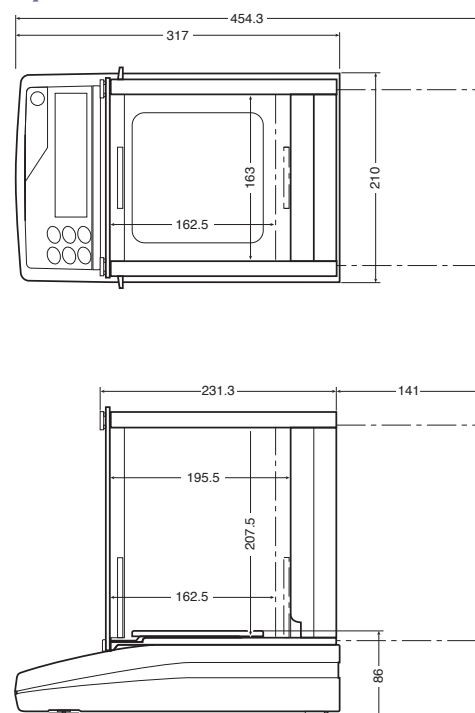
Pan size (mm)

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		



AD-1687

Dimensions With Optional Glass Breeze Break (mm)



Specifications subject to change for improvement without notice.



Discover Precision

A&D Company, Ltd.

3-23-14 Higashi-Ikebukuro, Toshima-Ku, Tokyo, 170-0013, Japan Tel: +81 3-5391-6132 Fax: +81 3-5391-1566 <http://www.aandd.jp>

A&D Engineering, Inc.

1756 Automation Parkway, San Jose, CA 95131, U.S.A. Tel: +1 408-263-5333 Fax: +1 408-263-0119

A&D Australasia Pty Ltd.

32 Dew Street, Thebarton, South Australia 5031, Australia Tel: +61 8-8301-8100 Fax: +61 8-8352-7409

A&D Instruments Ltd.

Unit 24/26 Blacklands Way, Abingdon Business Park, Abingdon, Oxfordshire, OX14 1DY, United Kingdom Tel: +44 1235-550420 Fax: +44 1235-550485

<German Sales Office>

Hamburger Straße 30, D-22926, Ahrensburg, Germany Tel: +49 4102-459230 Fax: +49 4102-459231

A&D Korea Ltd.

8F Manhattan Bldg., 33, Gukjegeumyung-ro 6-gil, Yeongdeungpo-gu, Seoul, 07331, Korea Tel: +82 2-780-4101 Fax: +82 2-782-4280

A&D Rus Co., Ltd.

Vereyskaya Str. 17, 121357, Moscow, Russia Tel: +7 495-937-33-44 Fax: +7 495-937-55-66

A&D Instruments India (P) Ltd.

509 Udyog Vihar Phase V Gurgaon-122 016, Haryana, India Tel: +91 (124) 471-5555 Fax: +91 (124) 471-5599