FX-i
FX-iWP
Series

FX-3000i
Max 3200g d=0.01g
g

3200g/0.01g
FX-3000i WP
g

A&D WEIGHING
...Clearly a Better Value

Realizing Compact, Increasing Functions!

We have developed a Miniaturized SHS* (Super Hybrid Sensor) to achieve a highly compact precision balance, which is 40% lighter and 47% smaller than our GF series with a 25% smaller footprint, while maintaining A&D's superior weighing functions. *Patent Pending

FX-120i
122gx1mg

FX-200i
220gx1mg

FX-300i
320gx1mg

FX-1200i
1220gx10mg

FX-2000i
2200gx10mg

FX-3000i
3200gx10mg

FX-i

SHS Super Hybrid Sensor | 888 VFD Display | ACAI Automatic Counting Accuracy Improvement | GLP | RS-232C | FDC Full Digital Calibration

COMPARATOR | ON | OFF | Buzzer Function | ID | LAN

ANIMAL | USB | under hook | % | SCF Statistical Calculation Function

Response Indicator Function
Selectable FAST, MID or SLOW response to suit weighing environment conditions

Comparator Function
Easy to compare weighing results by setting HI limit and LO limit to display HI,OK,LO indicator

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

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

B5 Size Footprint

Ideal for installation and use in narrow spaces

Compact SHS–1 Second Stabilization

Quick stabilization speed with accurate weighing for better productivity

Shock Absorber Function*

The internal shock absorber protects the SHS from the adverse effects of vertical or transverse overloading. ∗*Patent Pending*
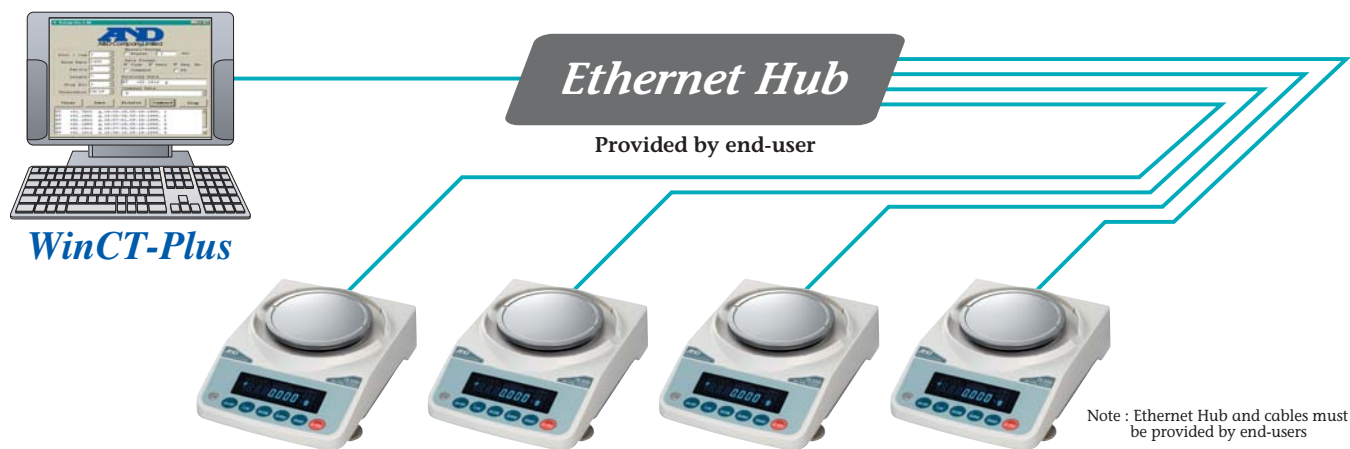
Quick USB Interface (FXi-02)

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

SCF–Statistical Calculation Function

Can display and/or output statistical calculation data as No. (number of data), SUM (total), MAX (maximum), MIN (minimum), R [range (maximum – minimum)], AVE (average), SD (standard deviation) and CV (coefficient of variation)

LAN–Ethernet Interface (FXi-08) with WinCT-Plus Software

WinCT-Plus software makes it possible for the user to easily set up an IP address, subnet mask etc. The user can also send commands for control and acquisition of data from multiple FX-*i* balances.

Ethernet Hub

Provided by end-user

WinCT-Plus

Note : Ethernet Hub and cables must be provided by end-users

Animal Weighing Function

The HOLD function enables freezing of weighing data for animal weighing applications and an ANIMAL indicator appears on the display

Standard RS-232C Interface

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

Underhook

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

Multiple Weighing Units of Measurement

Programmable or standard weighing units of measurement can be selected; g, pcs, %, oz, lb, L oz, ozt, ct, mom, dwt, GN, tl, tol, mes and MLT

The World's First IP65 Compliant, Water / Dust Proof Precision (1mg) Balance!

Yet another breakthrough from A&D enabling the measurement of liquid or powder at 1mg resolution, eliminating any worries about damage to the balance

FX-120iWP	FX-200iWP	FX-300iWP	FX-1200iWP	FX-2000iWP	FX-3000iWP
122gx1mg	220gx1mg	320gx1mg	1220gx10mg	2200gx10mg	3200gx10mg

FX-iWP

SHS Super Hybrid Sensor · 888 VFD Display · ACAI Automatic Counting Accuracy Improvements · GLP · RS-232C · FDC Full Digital Calibration · COMPARATOR · ON · OFF · Buzzer Function · ID · LAN · ANIMAL · USB · under hook · % · SCF Statistical Calculation Function · IP65

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

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

Built-in Rechargeable Battery (FX*i*-09)*
An optional Ni-MH rechargeable battery pack can be fitted into the FX-i series for use without AC power and for mobile applications (10 hours charging time for 8 hours operation)

*Not IP65 compliant when used with FX-iWP

IP65 means that this kind of measurement is possible.

Highly Visible Display

Firmly Sealed Pan Support

Water Proof RS-232C Cable (optional)

Large Breeze Break (optional)

The small breeze break comes as standard with the FX-120*i*(WP), FX-200*i*(WP) and FX-300*i*(WP), which are all 1mg resolution models.

Specifications

	FX-120 i FX-120 iWP	FX-200 i FX-200 iWP	FX-300 i FX-300 iWP	FX-1200 i FX-1200 iWP	FX-2000 i FX-2000 iWP	FX-3000 i FX-3000 iWP
Weighing capacity	122g	220g	320g	1220g	2200g	3200g
Minimum weighing value	0.001g			0.01g		
Counting mode — Minimum unit mass	0.001g			0.01g		
Number of samples	5, 10, 25, 50 or 100 pieces					
Percent mode — Minimum 100% reference mass	0.001g			1.00g		
Minimum 100% display	0.01%, 0.1%, 1% (depends on the reference mass stored)					
Repeatability (Standard Deviation)	0.001g			0.01g		
Linearity	±0.002g			±0.02g		
Stabilization time (typically set at FAST)	Approx. 1 second					
Sensitivity drift (10 °C to 30 °C)	±2ppm /°C					
Operating temperature	5°C to 40°C (41°F to 104°F), 85%RH or less (no condensation)					
Display type	Vacuum Fluorescent Display (VFD)					
Display refresh rate	5 times /second, 10 times /second or 20 times /second					
Standard serial interface	RS-232C Interface					
Weighing pan (diameter)	130mm			150mm		
External calibration mass	100g 50g	200g 100g	300g 200g 100g	1000g 500g	2000g 1000g	3000g 2000g 1000g
AC adaptor	Confirm that the adaptor type is correct for the local voltage and power receptacle					
Power consumption	Approx. 11VA (supplied to the AC adaptor)					
External dimensions	193 (W) X 262.5 (D) X 85.5 (H) mm					
Net weight	FX-*i* Approx. 2.5kg / FX-*i*WP Approx. 2.7kg					

Options

FX *i*-02*	Quick USB interface with cable
FX *i*-08*	Ethernet interface with WinCT-Plus software
FX *i*-09*	Built-in rechargeable battery
FX *i*-10	Small breeze break
FX *i*-11	Large breeze break
FX *i*-WP-10	Small breeze break (gray)
FX *i*-WP-11	Large breeze break (gray)
FX *i*-12	Animal weighing pan
FX *i*-15	Carrying case

∗ FX *i*-02, FX *i*-08 and FX *i*-09 cannot be used at the same time.
(Not IP65 compliant when used with FX-*i*WP)

Accessories

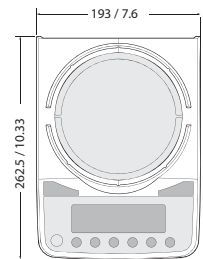|	
AD-1683	Static eliminator
AD-8920*	Remote display
AD-8922*	Remote controller
AD-8121B*	Compact printer
AD-8526*	RS/Ethernet converter
AX-CARATPAN	Carat pan
AX-KO2737-500-EX	Waterproof RS-232C cable (5m)

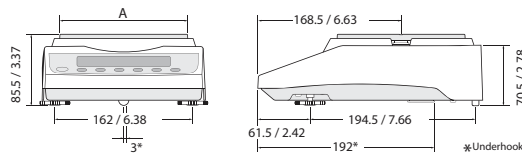∗ (Not IP65 compliant when used with FX-*i*WP)
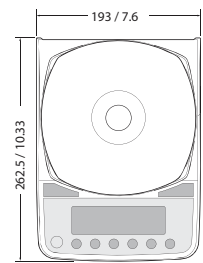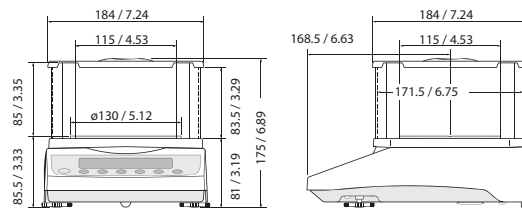
AD-8121B

External Dimensions (mm/inches)

Pan size

Model	A
FX-120 *i*(WP) / 200 *i*(WP) / 300 *i*(WP)	130 / 5.12
FX-1200 *i*(WP) / 2000 *i*(WP) / 3000 *i*(WP)	150 / 5.91

A
85.5 / 3.37
162 / 6.38
3*

168.5 / 6.63
70.5 / 2.78
61.5 / 2.42
194.5 / 7.66
192*
∗Underhook

193 / 7.6
262.5 / 10.33

Dimensions with Small Breeze Break
(Comes equipped with FX-120 *i*(WP)/200 *i*(WP)/300 *i*(WP)) (FX *i*-10/FX *i*-WP-10)

184 / 7.24
115 / 4.53
85 / 3.35
ø130 / 5.12
85.5 / 3.33
83.5 / 3.29
175 / 6.89
81 / 3.19

168.5 / 6.63
184 / 7.24
115 / 4.53
171.5 / 6.75

193 / 7.6
262.5 / 10.33

Dimensions with Large Breeze Break (FX *i*-11/FX *i*-WP-11)

105/4.13
294/11.57

199.5/7.85
112/4.41

193/7.6
294/11.57
Ø156/6.14

107/4.21