

A&D's FX-i Series entry level precision balance is a full-featured 0.01g to 1mg resolution balance at a very affordable price. The patented Compact Super Hybrid Sensor is at the heart of this unit and provides fast, one-second weighing response time



Manufacture: AND Weighing
SKU: FX-120iWP
Weight: 10.00 lb
Free Ground Shipping
within the 48
continental US States

Please Call
(800)832-0055

Features

FX-iWP Water Proof/Dust Proof External Calibration

A&D has applied its expertise in the design of waterproof scales to develop the world's first IP-65 rated 1 mg resolution balance. It is dust-tight and can even be sprayed with water. Think of it as an "accident-proof" balance suitable for use in environments that can render other balances inoperable.

What does "IP65" mean? The International Protection (IP) Code, as defined by the international standard IEC 60529, specifies the degrees of protection provided by enclosures. The two digits next to IP indicate the levels of protection against solid foreign objects (first digit) and water (second digit). For example, a device rated as IP65 should permit no ingress of dust (level 6) and withstand water jetting from any direction (level 5).

Features

Standard RS-232C Interface

Standard RS-232C Interface with a PC, printer or other peripheral devices.

GLP/GMP/GCP/ISO Compliant

In accordance with GLP and LIMS regulations In accordance with GLP and LIMS regulations be printed out using A&D's AD-8121B or a PC.

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 of Measurement

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

Response Indicator Function

Selectable FAST, MID or SLOW response to suit weighing environment conditions.

Built-in Rechargeable Battery (FXi-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).

Product Features:

- IP65 Water proof/Dust Proof
- Compact SHS (Super Hybrid Sensor) 1 Second Stabilization
- Multiple Weighing Units(g, oz, lb, lb-oz, ozt, ct, mom, dwt, GN, tl, tol, mes, pcs, % and MLT)
- SCF-Statistical Calculation Function
- Quick USB Interface (FXi-02)
- Dust-tight and protected against water jets (complying with IP65), suitable to weigh powdery or liquid material. A waterproof RS-232C cable (AX-KO2737-500) is available as an option.
- Compact general-purpose balance, can be installed almost anywhere.
- Casing construction, strong protection against dust and water.
- Stabilization time of one second. When **FAST** is selected for the response rate, a stabilization time of one second, to read a displayed value after a sample is placed on the pan, has been achieved.
- Multiple weighing units with most of the common units used around the world.
- Standard RS-232C serial interface to communicate with a computer and to output the Good Laboratory Practice (GLP) data
- Statistical calculation mode to statistically calculate the weight data, and display or output the sum, maximum, minimum, range (maximum-minimum), average, standard deviation and coefficient of variation.
- Comparator Indicators, displaying the comparison results.
- Hold Function, provided for weighing a moving object such as an animal.
- Breeze break, provided for the FX-120i WP /200i WP /300i WP, for more accurate weighing.
- Underhook, provided for suspended weighing.
- As options, the USB interface (FXi-02), the Ethernet interface (FXi-08) and the built-in battery unit (FXi-09) are available. When any one of these is used, the balance does not comply with IP65.

Specifications

Model	FX-120iWP	FX-200iWP	FX-300iWP	FX-1200iWP	FX-2000iWP	FX-3000iWP
g	122 x 0.001	220 x 0.001	320 x 0.001	1220 x 0.01	2200 x 0.01	3200 x 0.01
oz	4.30 x 0.00005	7.76 x 0.00005	11.28 x 0.00005	43.0 x 0.0005	77.6 x 0.0005	112.8 x 0.0005
lb	0.268 x 0.000005	0.485 x 0.000005	0.705 x 0.000005	2.68 x 0.00005	4.85 x 0.00005	7.05 x 0.00005
Capacity x Resolution lb-oz	0lb, 4.30oz x 0.01oz	0lb, 7.76oz x 0.01oz	0lb, 11.29oz x 0.01oz	2lb, 11.03oz x 0.01oz	4lb, 13.60oz x 0.01oz	7lb, 0.88oz x 0.01oz
ozt	3.92 x 0.00005	7.07 x 0.00005	10.28 x 0.00005	39.2 x 0.0005	70.7 x 0.0005	102.8 x 0.0005
ct	610 x 0.005	1100 x 0.005	1600 x 0.005	6100 x 0.05	11000 x 0.05	16000 x 0.05
dwt	78.6 x 0.001	141.7 x 0.001	206.2 x 0.001	786 x 0.01	1417 x 0.01	2062 x 0.01
GN	1882 x 0.02	3395 x 0.02	4938 x 0.02	18827 x 0.2	33951 x 0.2	49383 x 0.2

Counting Mode	Min. Unit Mass	0.001g		0.01g			
	# of Samples	5, 10, 25, 50 or 100 pieces					
Percent Mode	Min. 100% Ref. Mass	0.100g		1.00g			
	Min. 100% Display	0.01%, 0.1%, 1% (depends on the reference mass stored)					
Legal for Trade Model	FX-120iWPN FX-200iWPN FX-300iWPN FX-1200iWPN FX-2000iWPN FX-3000iWPN						
Capacity x Resolution	122 x 0.01 g		220 x 0.01 g	320 x 0.01 g	1220 x 0.1 g	2200 x 0.1 g	3200 x 0.1 g
Legal for Trade Repeatability (Std. Deviation)	NTEP 08-045A2, MC AM-5692						
Linearity	±0.002g		±0.02g				
Stabilization Time (typically set at FAST)	Approx. 1 second						
Sensitivity Drift (10°C to 30°C)	±2ppm / °C						
Operating Temp	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						
Std. Serial Interface	RS-232C Interface						
Weighing Pan	130mm			150mm			
External Calibration	100g	200g	300g	1000g	2000g	3000g	
	50g	100g	200g 100g	500g	1000g	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 84.5 (H) mm						
Net Weight	Approx. 2.5kg						

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