

A&D Precision Balances (FZ-i Series)

Brand: A&D Instruments

The A&D Precision Balances (FZ-i Series) provide a host of features in a compact, lightweight package. All of the traditional A&D functions are present plus a host of innovative features.

Features:

- **Compact B5 Size Footprint:** By taking advantage of the Compact Super Hybrid Sensor (C-SHS) technology, A&D has significantly reduced the size of the FZ-i Series making it ideal for installation and use in narrow spaces.
- **Fast One Second Stabilization:** The C-SHS combines the best of magnetic force restoration and single point parallelogram load sensing technologies
- **Shock Absorber Function:** The internal shock absorber protects the C-SHS from the adverse effects of vertical and transverse overloading.
- **RS-232C Interface (standard):** Bi-directional communication is possible with a PC, printer or other peripheral devices.
- **Multiple Weighing Units:** Programmable or standard weighing units of measurements can be selected (g, pcs, %, oz, lb, L oz, ozt, ct, mom, dwt, GN, tl, tol, mes and MLT).
- **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.
- **Statistical Calculation Function:** The balance displays 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).
- **Response Adjustment Function:** Selectable FAST, MID or SLOW response to suit weighing environment conditions.
- **ACAI - Automatic Counting Accuracy Improvement:** For the counting function, the balance recalculates the average unit weight each time samples are added to eliminate errors caused by variations in unit weight.



Specifications:

Product Code(s)		ANDFZ-120i-EC ANDFZ-120i-WP-EC	ANDFZ-200i-EC ANDFZ-200i-WP-EC	ANDFZ-300i-EC ANDFZ-300i-WP-EC	ANDFZ-500i	ANDFZ-1200i-EC ANDFZ-1200i-WP-EC	ANDFZ-2000i-EC ANDFZ-2000i-WP-EC	ANDFZ-3000i-EC ANDFZ-3000i-WP-EC	ANDFZ-5000i
Capacity		122g	220g	320g	520g	1220g	2200g	3200g	5200g
Minimum Weighing Value		0.001g				0.01g			
Counting Mode	Min. Unit Mass	0.001g				0.01g			
	No. of Samples	5, 10, 25, 50, or 100 pieces							
Percent Mode	Min. 100% Reference Mass	0.100g				1.00g			
	Min. 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 (when set to 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 50g	300g 200g 100g 50g	500g 400g 300g 200g 100g 50g	1000g 500g	2000g 1000g 500g	3000g 2000g 1000g 500g	5000g 4000g 3000g 2000g 1000g 500g
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 (w x d x h)		193 x 262.5 x 85.5mm							
Net Weight		Approx. 3kg							