

A&D 520g x 0.001g Precision Balance, External Calibration (FZ-500i)

Product Code: ANDFZ-500i

Brand: A&D Instruments

The A&D 520g x 0.001g Precision Balances, External Calibration (FZ-500i) 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.

This balance is Class II Approved.

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-500i 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:

Capacity		520g
Minimum Weighing Value		0.001g
Counting Mode	Min. Unit Mass	0.001g
	No. of Samples	5, 10, 25, 50, or 100 pieces
Percent Mode	Min. 100% Reference Mass	0.100g
	Min. 100% Display	0.01%, 0.1%, 1% (depends on the reference mass stored)
Repeatability (Standard Deviation)		0.001g
Linearity		± 0.002g
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
External Calibration Mass		500g 400g 300g 200g 100g 50g
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

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