

## A&D 122g x 0.001g Precision Balance, External Calibration (FZ-120i-EC)

**Product Code:** ANDFZ-120i-EC

**Brand:** A&D Instruments

The A&D 122g x 0.001g Precision Balance, External Calibration (FZ-120i-EC) 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 FX-120i-EC 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:

<b>Capacity</b>		122g
<b>Minimum Weighing Value</b>		0.001g
<b>Counting Mode</b>	<b>Min. Unit Mass</b>	0.001g
	<b>No. of Samples</b>	5, 10, 25, 50, or 100 pieces
<b>Percent Mode</b>	<b>Min. 100% Reference Mass</b>	0.100g
	<b>Min. 100% Display</b>	0.01%, 0.1%, 1% (depends on the reference mass stored)
<b>Repeatability (Standard Deviation)</b>		0.001g
<b>Linearity</b>		± 0.002g
<b>Stabilization Time (when set to FAST)</b>		Approx. 1 second
<b>Sensitivity Drift (10°C to 30°C)</b>		± 2ppm/°C
<b>Operating Temperature</b>		5°C to 40°C (41°F to 104°F), 85%RH or less (no condensation)
<b>Display Type</b>		Vacuum Fluorescent Display (VFD)
<b>Display Refresh Rate</b>		5 times/second, 10 times/second or 20 times/second
<b>Standard Serial Interface</b>		RS-232C interface
<b>Weighing Pan (Diameter)</b>		130mm
<b>External Calibration Mass</b>		100g 50g
<b>AC Adaptor</b>		Confirm that the adaptor type is correct for the local voltage and power receptacle
<b>Power Consumption</b>		Approx. 11VA (supplied to the AC adaptor)
<b>External Dimensions (w x d x h)</b>		193 x 262.5 x 85.5mm
<b>Net Weight</b>		Approx. 3kg

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