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# AND Weighing FX-120i Precision Balance,122 x 0.001 g

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

A&D Weighing

Manufature: AND Weighing
SKU: **FX-120i**
UPC: B00GP0IMPO
Weight: 10.00 lb
Free Ground Shipping within the 48 continental US States

**Please Call (800)832-0055**

## Features

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.

The FX-i also contains a specially designed internal shock absorber that offers protection from the adverse effects of vertical or transverse overloading. Legal-for-trade models (NTEP and Measurement Canada) are also available.

**Statistical Calculation Function**
The statistical values Sum, Maximum, Minimum,Range, Standard Deviation, Number of Data,and Coeffi cient of Variation can be displayedor output.

**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 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

**Animal Weighing Function**
The HOLD function enables freezing of weighing data for animal weighing applications and an ANIMAL indicator appears on the display.

**Underhook**

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

**Standard RS-232C Interface**
Incorporates bi-directional communication with a PC, printer or other peripheral devices.

**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 OFF Function**
The display switches OFF automatically when the balance is inactive for 10 minutes as a power-saving tool.

**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).

## Specifications

| Model | FX-120i | FX-200i | FX-300i | FX-500i | FX-1200i | FX-2000i | FX-3000i | FX-5000i |
|---|---|---|---|---|---|---|---|---|
| Capacity X Readability | 122 g x 0.001g | 220 g x 0.001g | 320 g x 0.001g | 520 g x 0.001g | 1220 g x 0.01g | 2200 g x 0.01g | 3200 g x 0.01g | 5200 g x 0.01g |
| | 4.30 x 0.00005 oz | 7.76 x 0.00005 oz | 11.28 x 0.00005 oz | 18.34 x 0.00005 oz | 43.0 x 0.0005 oz | 77.6 x 0.0005 oz | 112.8 x 0.0005 oz | 183.4 x 0.0005 oz |
| | 0.268 x 0.000005 lb | 0.485 x 0.000005 lb | 0.705 x 0.000005 lb | 1.14 x 0.000005 | 2.68 x 0.00005 lb | 4.85 x 0.00005 lb | 7.05 x 0.00005 lb | 11.46 x 0.0005 lb |
| | 0 lb, 4.30 oz x 0.01 oz | 0 lb, 7.76 oz x 0.01 oz | 0 lb, 11.28 oz x 0.01 oz | 1 lb, 18.34 oz x 0.01 oz | 2 lb, 11.30 oz x 0.01 oz | 4 lb, 13.60 oz x 0.01 oz | 7 lb, 0.88 oz x 0.01 oz | 11 lb, 7.65 x 1 lb, 0.001 oz |
| | 3.92 x 0.00005 ozt | 7.07 x 0.00005 ozt | 10.28 x 0.00005 ozt | 16.71 x 0.00005 ozt | 39.2 x 0.0005 ozt | 70.7 x 0.0005 ozt | 102.8 x 0.0005 ozt | 167.18 x 0.005 ozt |
| | 610 x 0.005 ct | 1100 x 0.005 ct | 1600 x 0.005 ct | 2600 x 0.005 ct | 6100 x 0.05 ct | 11000 x 0.05 ct | 16000 x 0.05 ct | 26000 x 0.05 ct |
| | 78.6 x 0.001 dwt | 141.7 x 0.001 dwt | 206.2 x 0.001 dwt | 335.1 x 0.001 dwt | 786 x 0.01 dwt | 1417 x 0.01 dwt | 2062 x 0.01 dwt | 3351 x 0.01 dwt |
| | 1882 x 0.02 GN | 3395 x 0.02 GN | 4938 x 0.02 GN | 8024 x 0.02 GR | 18827 x 0.2 GN | 33951 x 0.2 GN | 49383 x 0.2 GN | 80248 x 0.2 GN |
| Legal For Trade Models | FX-120iN | FX-200iN | FX-300iN | - | FX-1200iN | FX-2000iN | FX-3000iN | - |
| | NTEP Class II - NTEP CofC #08-045A2 | | | | | | | |
| NTEP Capacity X Readability | 122 g x 0.01g | 220 g x 0.01g | 320 g x 0.01g | - | 1220 g x 0.1g | 2200 g x 0.1g | 3200 g x 0.1g | - |
| Canada Measurement Models | FX-120iNC | FX-200iNC | FX-300iNC | - | FX-1200iNC | FX-2000iNC | FX-3000iNC | - |
| | Canada AM-5692 | | | | | | | |
| Canada Measurement Capacity X Readability | 122 g x 0.01g | 220 g x 0.01g | 320 g x 0.01g | - | 1220 g x 0.1g | 2200 g x 0.1g | 3200 g x 0.1g | - |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Pan Size** | Ø 5.12” | | | | Ø 5.91” | | | |
| **Units of Measurement** | g, pcs, %, oz, lb, suit weighing environment conditions. fi tted into the FX-i series for use without AC power and lb-oz, ozt, ct, mom, dwt, GN, tl, tol, mes and MLT | | | | | | | |
| **Counting Mode** | Min. Unit Mass 0.001g | | | | Min. Unit Mass 0.01g | | | |
| | # of Samples 5, 10, 25, 50 or 100 pieces | | | | | | | |
| **Percent Mode** | Min. 100% Ref. Mass 0.1g | | | | Min. 100% Ref. Mass 1.0g | | | |
| | Min. 100% Display 0.01%, 0.1%, 1% (depends on the reference mass stored) | | | | | | | |
| **Repeatability (Std. Deviation** | 0.001g | | | | 0.01g | | | |
| **Linearity** | ±0.002g | | | | ±0.02g | | | |
| **Stabilization Time (typically set at FAST)** | Approx. 1 second | | | | | | | |
| **Sensitivity Drift** | ±2ppm / °C (10°C to 30°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<br>50g | 200g<br>100g | 300g<br>200g<br>100g | 500g<br>400g<br>300g<br>200g<br>100g<br>50g | 1000g<br>500g | 2000g<br>1000g | 3000g<br>2000g<br>1000g | 5000g<br>4000g<br>3000g<br>2000g<br>1000g<br>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** | 193 (W) x 262.5 (D) x 84.5 (H) mm | | | | | | | |
| **Net Weight** | Approx. 2.5kg | | | | | | | |

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