

Carat Balances

FZ-CT/FX-CT Series

FZ-1200CT/FX-1200CT
1260 ct × 0.001 ct

FZ-700CT/FX-700CT
760 ct × 0.001 ct

FZ-500CT/FX-500CT
510 ct × 0.001 ct



Remote Display
(Optional)

FZ-700CT



Thoroughly Upgraded!



Carat Pans
(Standard)



AND ...Clearly a Better Value
A&D Company, Limited
<http://www.aandd.jp>

Does This Balance Really Make Your Job Simpler While Improving Productivity At The Same Time...?

No balance brings speed, accuracy, as well as comfort of use like the new FZ-CT/FX-CT series. Simple as they may look, these carat balances maximize A&D's latest analytical weighing technologies, delivering unprecedented benefits to the field of jewelry processing. Now stop and consider the following:

Large Removable Breeze Break with Antistatic Coating

Compared with other carat balances on the market, the breeze break of the FZ-CT/FX-CT series gives you a larger working space for easier and more flexible operation.

The breeze break is made from safe and shatterproof non-glass materials, and it can be attached or detached quickly using a unique clip system, allowing fast, simple cleaning of the balance.

It is also treated with an antistatic agent to ensure stable weighing.



Removable Breeze Break

Simple and Clear Reverse-backlit LCD Display

The contrast of the black and white display is extremely easy to read and prevents fatigue of your eyes. Combined with plain key alignment, the user-friendly display eliminates confusion and errors, and makes your long hours of work less tiresome.

Reverse-backlit LCD display and plain key alignment



High-speed Weighing with 2-second Stabilization

The proven technology of our Compact Super Hybrid Sensor (C-SHS)¹ enables you to perform fast, efficient measurements with no frustrating waiting time.

*1 Patent pending

■ Adjustable Response Characteristics

Depending on the amount of draft or vibration around, you may sometimes want to trade weighing speed for higher stability. From three preset response characteristics (FAST, MID and SLOW), select the one that best suits your weighing environment.



Optional



Compact Footprint: 198 mm × 294 mm

With the C-SHS, the footprint of the FZ-CT/FX-CT series is smaller than an A4 (210 mm × 297 mm) sheet of paper, maximizing opportunities for use in even the smallest of spaces.

■ Rotary Sliding Doors

The balance requires no extra space at the rear in order to access the weighing chamber, as the doors simply rotate behind the balance.

Rotary Sliding Doors



One-Touch Automatic Calibration (FZ-CT models only)

The built-in calibration mass ensures the accuracy of your balance with just one key press. No special skills are required.

Counting Mode with Automatic Counting Accuracy Improvement (ACAI)ⁱⁱ

This function lets you count the number of small jewelry pieces of the same mass value quickly, effortlessly and precisely.

* ii The ACAI recalculates the average unit weight each time a sample is added to eliminate errors caused by variations in unit weight.

Options and Accessories

Remote Display (AD-8920A)

This small display is ideally suited when you need to show the results to others (over the counter, etc.) It receives power supply directly from the balance instead of the AC adapter when connected via RS-232C.

AD-8920A



Rechargeable Battery Unit (FXi-09)

The Ni-MH rechargeable battery pack can be fitted into the balance for use in the field without AC power (10 hours of charging for 14 hours of operation). This also gives you peace of mind when stable power supply is not guaranteed.

FXi-09



Weighing Data Logger (AD-1688) / Environment Logger (AD-1687)

These portable memory devices save you from the burden of manually recording weighing results (and the possibility of making errors) when there is no PC or printer nearby. The AD-1687 can store environmental data simultaneously.

AD-1688



Quick USB Interface (FXi-02)

The easy-to-use USB interface requires no driver or software installation for transfer of weighing data to a PC.ⁱⁱⁱ

* iii Data transfer from the balance to a PC only. Please use the standard interface RS-232C to serial-USB converter (AX-USB-9P, optional) for two-way communication via USB.

LAN-Ethernet Interface with WinCT-Plus Software (FXi-08)

You can send commands for controlling and acquiring data from multiple balances.

Specifications

Models	FZ-1200CT	FZ-700CT	FZ-500CT	FX-1200CT	FX-700CT	FX-500CT
Weighing capacity	1260 ct / 252 g	760 ct / 152 g	510 ct / 102 g	1260 ct / 252 g	760 ct / 152 g	510 ct / 102 g
Minimum weighing value	0.001 ct / 0.001 g					
Repeatability (standard deviation)	0.001 ct / 0.0005 g					
Linearity	±0.002 ct / ±0.001 g					
Stabilization time (when set to FAST under a good environment)	Approx. 2 seconds ^{iv}					
Sensitivity drift	±2 ppm/°C (10 to 30 °C/50 to 86 °F)					
Internal calibration	Yes			No		
Clock and calendar function	Yes			No		
Operating environment	5 to 40 °C (41 to 104 °F), 85% RH or less (no condensation)					
Display refresh rate	5 times/second (10 times/second can be selected)					
Display mode ^v	metric carat, gram, counting mode, percent mode, ounce, pound, pound/ounce, troy ounce, momme, pennyweight, grain, and a user-programmable unit					
Counting mode	Minimum unit mass	0.001 g				
	Number of samples	5, 10, 25, 50 or 100 pieces				
Percent mode	Minimum 100% reference mass	0.100 g				
	Minimum 100% display	0.01%, 0.1%, or 1% (depends on the reference mass stored)				
Standard interface	RS-232C					
Standard accessories	Large breeze break, 2 carat pans (silver & black), AC adapter					
Applicable calibration weight value	250 g, 200 g 100 g, 50 g, 20 g	150 g, 100 g 50 g, 20 g	100 g, 50 g, 20 g	250 g, 200 g 100 g, 50 g, 20 g	150 g, 100 g 50 g, 20 g	100 g, 50 g, 20 g
Weighing pan size	Ø90 mm					
External dimensions	198 (W) × 294 (D) × 315 (H) mm					
Net weight	Approx. 3.8 kg			Approx. 3.4 kg		
Power supply	AC adapter					
Power consumption	Approx. 11 VA (supplied to the AC adapter)					

* iv The factory setting is MID, whose stabilization time is approx. 3.5 seconds.

* v One additional unit from tael (Singapore/HK jewelry/Taiwan/China), tola or Newton can be added upon request.

Options

- FXi-02*** Quick USB interface with cable
FXi-08* Ethernet interface with WinCT-Plus software
FXi-09* Built-in rechargeable battery

* The FXi-02, FXi-08 and FXi-09 cannot be used at the same time

Accessories

- AD-1671** Anti-vibration table for balances
AD-1672 Tabletop breeze break
AD-1683 Static eliminator
AD-1684 Electrostatic field meter
AD-1687 Weighing environment logger
AD-1688 Weighing data logger
AD-1689 Tweezers for calibration weight
AD-8121B Compact printer
AD-8920A Remote display
AD-8922A Remote controller
AX-CARATPAN-W Carat pan (silver, 2 pcs)
AX-CARATPAN-B Carat pan (black, 2 pcs)
AX-FXi-31 Main unit cover (5 pcs)
AX-USB-9P Serial/USB converter

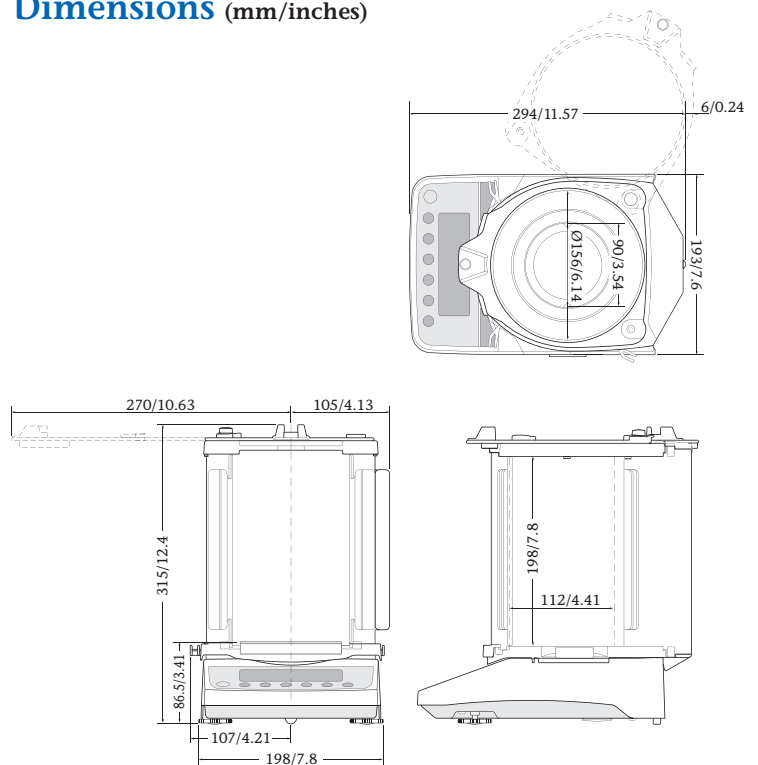


AD-1683



AD-1687

Dimensions (mm/inches)



A&D ...Clearly a Better Value

A&D Company, Limited

3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 JAPAN
 Telephone:[81](3) 5391-6132 Fax:[81](3) 5391-6148
<http://www.aandd.jp>

A&D ENGINEERING, INC.

1756 Automation Parkway, San Jose, CA 95131 U.S.A.
 Telephone:[1](408) 263-5333 Fax:[1](408) 263-0119

A&D Australasia Pty Ltd.

32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA
 Telephone:[61](8) 8301-8100 Fax:[61](8) 8352-7409

A&D INSTRUMENTS LTD.

Unit 24/26 Blacklands Way Abingdon Business Park,
 Abingdon, Oxon OX14 1DY UNITED KINGDOM
 Telephone:[44](1235) 550420 Fax:[44](1235) 550485

<German Sales Office>

Hamburger Straße 30 D-22926 Ahrensburg GERMANY
 Telephone:[49](0) 4102 459230 Fax:[49](0) 4102 459231

A&D KOREA Limited

Manhattan Bldg. 8F, 36-2 Yoido-dong, Youngdeungpo-gu, Seoul, KOREA
 Telephone:[82](2) 780-4101 Fax:[82](2) 782-4280

A&D RUS CO., LTD.

Vereyskaya str.17, Moscow, 121357 RUSSIA
 Telephone: [7] (495) 937-33-44 Fax: [7] (495) 937-55-66

A&D Instruments India Private Limited

509 Udyog Vihar Phase V
 Gurgaon-122 016, Haryana, INDIA
 Telephone: [91](124) 471-5555 Fax: [91](124) 471-5599