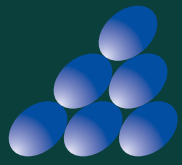


Counting Scales



FC-Si/i Series



PCS.



AND ...Clearly a Better Value

A&D Company, Limited
www.phoenixscales.co.uk

Two Step Operation Made

Unit Weight Registering Navigator

Just follow the flashing light to complete a unit weight registration; it is beginner-friendly!
Select the best-suited way from ID number data retrieval, 10-key pad input, or sample size weighing.

STEP 1

Press the SAMPLE key.
Place 10 sample pieces
on the weighing pan.

blink! blink!



STEP 2

Press the ENTER key.

blink! blink!



Absolutely Easy!

Easy Data Retrieval

For each weighing article, it is easy for anyone to instantly retrieve data such as ID number, unit weight, tare weight, and comparator upper/lower limits without making an error.

It helps to improve effectiveness and reliability of operation. Especially effective for multiproduct lines.

Simple Operation Mode

You can avoid making any unwanted operational mistakes by enabling just the keys you need. (This mode is available for zero setting, tare weight cancel setting, and sample counting setting.)

Buzzer

Sounds when the current counting reaches, exceeds, or lacks a set quantity. The alarm beeps when an operational error occurs.

Comparator Function

Compares a count or weight. When the comparator function is activated, "HI", "OK" or "LO" is displayed.

Accumulation Function

Totals piece count into memory. Works in automatic or manual mode.

Extremely Accurate!

High Internal Resolution & Wide Counting Range

Internal resolution is enhanced for more accurate counting. (FC-Si: 1/10,000,000 FC-i: 1/1,000,000) Now you can make counting of both lightweight and heavyweight articles with only one scale.

Replace conventional scales (used to require one each for light piece weight and heavy piece weight) with this scale, and save your cost and space as well as trouble to shift the load from the unit weight setting pan to the counting pan during measurement.

Automatic Counting Accuracy Improvement (ACAI)

ACAI automatically corrects errors caused by variation in unit weights of weighing article. It makes even more accurate counting possible.

Aluminum Die-cast Frame

Robust body structure gives long-time stability and high accuracy of the product.

Makes Operator's Life Easy!

Large Stainless Steel Counting Pan

Large-sized weighing articles can be effortlessly mounted on the pan.
The pan is removable and washable.

Large, Clear Vacuum Fluorescent Display (VFD) Full of Information

Displays quantity, gross weight, unit weight, ID number (6 digits), comparison result, product name (12 alphanumeric characters), and main/remote scale identification.

Large Memory for 500 Items

Stores data on unit weight, tare weight, upper/lower limit values, and gross quantities (accumulated total) according to ID number.



FC-Si/i

 SHS

Super Hybrid Sensor

 888

VFD display

 AAA

Accuracy Guarantee

 UFI

Universal Function Interface

 COMPARATOR

Comparison Function

 RS-232C

STANDARD

 SPLASH

all liquid calibration

 FDC

Full Digital Calibration

 WinCT

Windows Control

Cordless Scale (Optional)

The scale can be used at a place with no power source (for approx. 10 hours) with the optional rechargeable battery pack (Ni-MH).

RS-232C Interface as Standard Equipment

The scale can be easily connected to a printer or PC via the RS-232C Interface provided as standard. (A connecting cable required.)

Serial Input/Output via 3 Channels (Optional)

Up to 3 devices can be used by connecting with the optional RS-232C interface. PC, printer, barcode reader, etc., can be used simultaneously.



Inventory Management Made Easy!

Inventory Control System

You can easily build an inexpensive inventory control system with the FC-Si/i, barcode label printer AD-8125, and barcode reader FC-01i.

It will contribute to reducing of total cost and improving reliability by eliminating errors and unnecessary repetition during massive processing jobs such as material control, etc.



Very Convenient!

Remote Scale

Even heavy unit weight articles or quantity exceeding the weighing capacity of the main scale can be measured with a remote scale (optional).



Barcode Label Printer AD-8125

Prints on a label product name, ID number, unit weight, gross weight, and quantity. You can design your own labels with the UFC function.

Universal Flex Coms (UFC) allows you to format the printer label.



Dedicated Barcode Reader FC-01i

Improved Accuracy of Simplified Inventory Control

Prints on a label a barcode with an ID number, product name, quantity, unit weight, gross weight, and date. It helps to eliminate errors in reading/entering as well as to reduce operation/inventory cost.

You can register an ID number, unit weight, tare weight, and comparator upper/lower limit in the barcode.

Barcode Reader

Registered information such as product name, ID number, unit weight, tare weight, upper/lower limit, etc. can be easily retrieved.

Applicable to Various Barcodes

Compliant with barcodes JAN-13/8, EAN-13/8, UPC-A/E, Coadabar (NW-7), ITF (Interleaved1of5), and Code39.



Two Scale Operation Made Easy!

Counting Scale... Tips on Selection

Firstly, choose a model that has the smallest possible minimum unit weight*. Secondly, choose a model that has a weighing capacity* of a little over the weight of the articles you regularly measure.

* Minimum unit weight: The smaller the value is, the lighter an article you can measure and the higher the accuracy you can achieve.

* Weighing capacity: The greater the value is, the heavier an article you can measure. However, a model that has greater weighing capacity has also greater minimum unit weight. It is best to select the weighing capacity range you actually need in order to make accurate measurement.



Remote Scale

| Model | Weighing Capacity | Platform Size (WxD) | Recommended Pairing | |
|-----------------|-------------------|---------------------|---------------------|-----------|
| | | | FC-500Si | FC-5000Si |
| SB-15K10 SA337 | 15kg | 250 x 250mm | ● | ● |
| SB-60K11 SA337 | 60kg | 330 x 424mm | ● | ● |
| SB-100K12 SA337 | 100kg | 390 x 530mm | ● | ● |
| SB-200K12 SA337 | 220kg | | ● | ● |
| FC-09-300K4 | 300kg | 700 x 600mm | ● | ● |
| FC-09-600K4 | 600kg | | ● | ● |
| FC-09-600K3 | 1200kg | 1000 x 1000mm | ● | ● |
| FC-09-1200K3 | | | ● | ● |

| Model | Weighing Capacity | Platform Size (WxD) | Recommended Pairing | | | | | | |
|-----------------|-------------------|---------------------|---------------------|----------|----------|----------|---------|---------|---------|
| | | | FC-500i | FC-1000i | FC-2000i | FC-5000i | FC-10Ki | FC-20Ki | FC-50Ki |
| SB-15K10 SA337 | 15kg | 250 x 250mm | ● | ● | ● | ● | | | |
| SB-60K11 SA337 | 60kg | 330 x 424mm | ● | ● | ● | ● | ● | ● | |
| SB-100K12 SA337 | 100kg | 390 x 530mm | ● | ● | ● | ● | ● | ● | ● |
| SB-200K12 SA337 | 220kg | | ● | ● | ● | ● | ● | ● | ● |
| FC-09-300K4 | 300kg | 700 x 600mm | ● | ● | ● | ● | ● | ● | ● |
| FC-09-600K4 | 600kg | | ● | ● | ● | ● | ● | ● | ● |
| FC-09-600K3 | 1200kg | 1000 x 1000mm | ● | ● | ● | ● | ● | ● | ● |
| FC-09-1200K3 | | | ● | ● | ● | ● | ● | ● | ● |

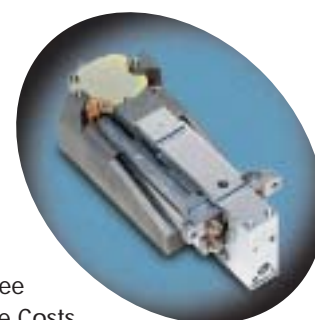


Accurate Counting Made Easy With 1/10,000,000 (FC-Si)

Super Hybrid Sensor

Our revolutionary Super Hybrid Sensor (SHS) technology improves response speed, accuracy and minimizes maintenance costs.

SHS combines the best of magnetic force restoration and single point parallelogram load sensing technologies. Its unique design provides the fastest response speed in its class - just 1 second! And if the time ever comes when the SHS needs repair, you just replace one of three parts - there is no need to replace the whole sensor! This translates to Minimum Maintenance Costs.



Standard Windows Communication Tools Software

Download free copies of WinCT-A&D's powerful and flexible data collection software tool for virtually instant connection to a PC-and WinCT-UFC-software to customize the print format.

Specifications

| | FC-500Si | FC-5000Si | FC-500i | FC-1000i | FC-2000i | FC-5000i | FC-10Ki | FC-20Ki | FC-50Ki |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------|---------------|----------------------------------------------------------------------|----------|---------|---------------|---------|
| Minimum Unit Weight (Normal Mode) | 0.001g | 0.01g | 0.01g | 0.02g | 0.04g | 0.1g | 0.2g | 0.4g | 1g |
| | (Fine Mode) | 0.00005g | 0.00005g | 0.00005g | 0.001g | 0.002g | 0.005g | 0.01g | 0.02g |
| Weighing Capacity k(g) | 500g | 5000g | 500g | 1kg | 2kg | 5kg | 10kg | 20kg | 50kg |
| Display Resolution k(g) | 0.02g | 0.2g | 0.05g | 0.1g | 0.2g | 0.5g | 1g | 2g | 5g |
| Weighing Capacity lb | 1lb | 10lb | 1lb | 2lb | 5lb | 10lb | 20lb | 50lb | 100lb |
| Display Resolution lb | 0.00005lb | 0.0005lb | 0.0001lb | 0.0002lb | 0.0005lb | 0.001lb | 0.002lb | 0.005lb | 0.01lb |
| Max. Count Display | 9,999,999 | | 1,000,000 | | | | | | |
| Sample Size | 10 pieces (5, 25, 50, 100 or at random setting) | | | | | | | | |
| Non-linearity | ±0.02g | ±0.2g | ±0.05g | ±0.1g | ±0.2g | ±0.5g | ±1g | ±2g | ±5g |
| Repeatability (Standard Deviation) | 0.02g | 0.2g | 0.05g | 0.1g | 0.2g | 0.5g | 1g | 2g | 5g |
| Span Drift | ±10ppm/°C (5°C – 35°C) typ. | | ±20ppm/°C (5°C – 35°C) typ. | | | | | | |
| Operating Temperature and Humidity Range | -10°C to 40°C / 14°F to 104°F, 85%RH or lower (No condensation) | | | | | | | | |
| Sensing Method | Super Hybrid Sensor (SHS) | | Strain Gauge Load Cell | | | | | | |
| Internal Resolution | 1/10,000,000 | | 1/1,000,000 | | | | | | |
| Display | Vacuum Fluorescent Display | | | | | | | | |
| Interface | RS-232C Standard Equipment (1ch) (When the optional FC-03i is used: 3ch, When the optional FC-04i is used: 2ch) | | | | | | | | |
| Platform Size | 128x128mm 5.0x5.0inch | 165x165mm 6.5x6.5inch | 205 x 152 mm 8.1 x 6.0 inch | | 300 x 280 mm 11.8 x 11.0 inch | | | | |
| Dimensions | 330(W)x 462(D)x 106(H)mm 13.0(W)x 18.2(D)x 4.2(H)inch | | 330(W)x 462(D)x 107(H)mm 13.0(W)x 18.2(D)x 4.2(H)inch | | 330 (W) x 462 (D) x 117 (H) mm 13.0 (W) x 18.2 (D) x 4.6 (H) inch | | | | |
| Power | AC adapter (100, 120, 220, 240VAC 50Hz/60Hz) or internal battery (optional) Battery Operating Time of Approx. 10-hour (Standard Specifications) | | | | | | | | |
| Weight | Approx. 7.6kg | Approx. 8.1kg | Approx. 5.5kg | Approx. 6.5kg | Approx. 6.7kg | | | Approx. 7.5kg | |
| Standard Equipments | Instruction Manual and AC Adapter | | | | | | | | |

Breeze Break (Only for FC-500Si)
Breeze Ring (Only for FC-5000Si)

Specifications are subject to change for improvement without notice.

Options

- FC-01i** Barcode Reader
- FC-02i** Internal Battery (Nickel Metal-Hydride)
- FC-03i*** RS-232C x 2ch
- FC-04i*** RS-232C x 1ch/Comparator Output (Relay)
- FC-05i** Interface for Remote Scale

*FC-03i and FC-04i cannot be used simultaneously. Select one of them.

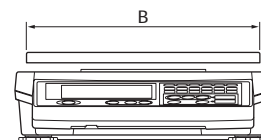
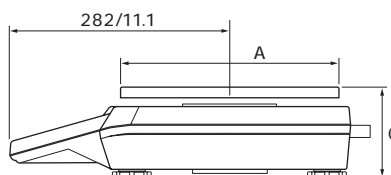
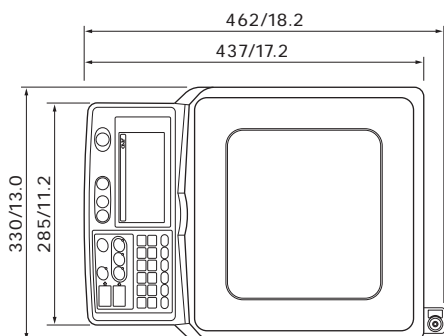
Accessories

- AD-8121B** Compact Printer
- AD-8118B** Journal Printer
- AD-8951** Comparator Light
- AD-8125** Barcode Label Printer



AD-8121B
Dot Matrix Compact Printer

External Dimensions (mm/inch)



Pan Size (mm/inch)

| Model | A | B | C |
|-------------------------------|----------|----------|---------|
| FC-500Si | 128/5.0 | 128/5.0 | 106/4.2 |
| FC-5000Si | 165/6.5 | 165/6.5 | |
| FC-500i/1000i | 152/6.0 | 205/8.1 | 107/4.2 |
| FC-2000i/5000i/10ki/20ki/50ki | 280/11.0 | 300/11.8 | 117/4.6 |

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