

Counting Scales

FC-Si/i Series



Two-Step Operation Makes Operator's Life Easy!

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.



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.

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.

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.

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.

Two Scale Operation Possible

Counting Scale...Tips on Selection

First, choose a model that has the smallest possible minimum unit weight*.
Second, choose a model that has a weighing capacity* slightly greater than 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-500 <i>z</i>	FC-5000 <i>z</i>
SB-15K10	15 kg	250 x 250 mm	■	■
SB-60K11	60 kg	330 x 424 mm	■	■
SB-100K12	100 kg	390 x 530 mm	■	■
SB-200K12	220 kg		■	■
FC-09-300K4	300 kg	700 x 600 mm	■	■
FC-09-600K4	600 kg		■	■
FC-09-600K3		1200 kg	1000 x 1000 mm	■
FC-09-1200K3	■			■

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

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.

FC-Si/i Counting Scales

Minimum Unit Weight

Specifications	FC-500Si	FC-5000Si	FC-500i	FC-1000i	FC-2000i	FC-5000i	FC-10Ki	FC-20Ki	FC-50Ki
Minimum Unit Weight									
(Normal Mode)	0.001 g	0.01 g	0.01 g	0.02 g	0.04 g	0.1 g	0.2 g	0.4 g	1 g
(Fine Mode)	0.00005 g	0.0005 g	0.0005 g	0.001 g	0.002 g	0.005 g	0.01 g	0.02 g	0.05 g
Weighing Capacity K(g)	500 g	5000 g	500 g	1 kg	2 kg	5 kg	10 kg	20 kg	50 kg
Display Resolution K(g)	0.02 g	0.02 g	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g	5 g
Weighing Capacity lb	1 lb	10 lb	1 lb	2 lb	5 lb	10 lb	20 lb	50 lb	100 lb
Display Resolution lb	0.00005 lb	0.0005 lb	0.0001 lb	0.0002 lb	0.0005 lb	0.001 lb	0.002 lb	0.005 lb	0.01 lb
Max Count Display	9,999,999			1,000,000					
Sample Size	10 pieces (5, 25, 50, 100 or at radom setting)								
Non-linearity	0.02 g	0.02 g	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g	5 g
Repeatability (Standard Deviation)	0.02 g	0.02 g	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g	5 g
Span Drift	10 ppm/C (5 C - 35 C) typ.			20 ppm/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-232-C Standard Equipment (1 ch) (When the optional FC-03i is used: 3 ch, When the optional FC-04i is used: 2ch)								
Platform Size	128 x 128 mm 5.0 x 5.0 inches	165 x 165 mm 6.5 x 6.5 inches	205 x 152 mm 8.1 x 6.0 inches		300 x 280 mm 11.8 x 11.0 inches				
Dimensions	330(W) x 462(D) x 106(H) mm 13.0(W) x 18.2(D) x 4.2(H) inches		330(W) x 462(D) x 107(H) mm 13.0(W) x 18.2(D) x 4.2(H) inches			330(W) x 462(D) x 117(H) mm 13.0(W) x 18.2(D) x 4.6(H) inches			
Power	AC Adapter (100, 120, 220, 240 VAC 50HZ/60Hz) or Internal Battery (optional) Battery operating time of approximately 10 hours (standard specifications)								
Weight (Approximate)	7.6 kg	8.1 kg	5.5 kg		6.5 kg	6.7 kg		7.5 kg	
Standard Equipment	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-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

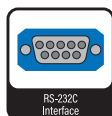
AD-8127 Compact Printer



AD-8127
Printer



FC-Si



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