

# FC-i

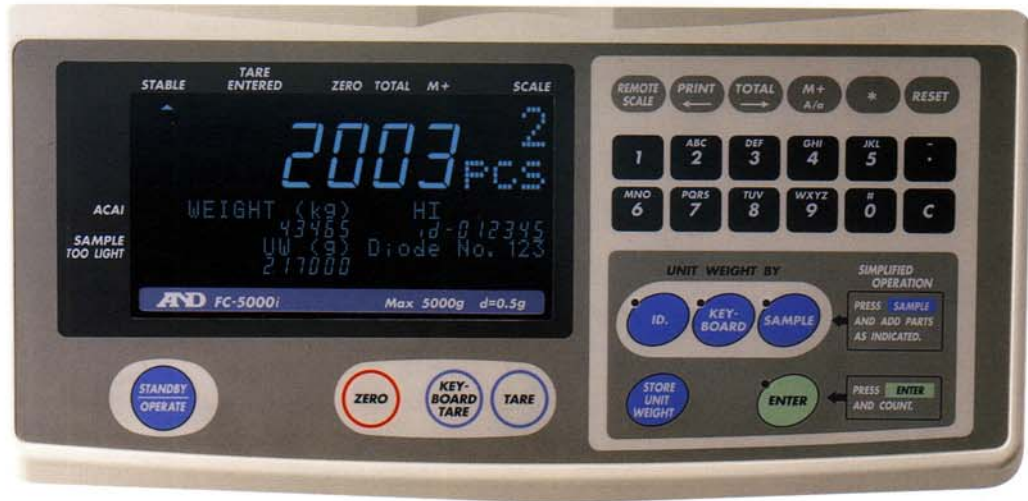
Series

## Counting Scales



**AND**  
A&D WEIGHING  
...Clearly a Better Value

Versatile, powerful features suit all applications...  
from simple, basic counting to sophisticated inventory data management



**1 Million Internal Resolution (FC-i models)**

**5 Million Internal Resolution (FC-Si models)**



# FC-i Series

## FC-i Features:

A&D Weighing has long been a world leading manufacturer of counting scales. The FC-i family of counting scales expands upon the former, popular FC design with higher resolution and more powerful performance features. Thanks to A&D's unique Super Hybrid Sensor (SHS) technology, the FC-Si models have a remarkable internal resolution of FIVE million parts.

All FC-i and FC-Si models utilize ACAI, A&D's exclusive Automatic Count Accuracy Improvement. ACAI combines the two most critical performance requirements of a counting scale: count accuracy and operation expediency. Initial Average Piece Weight can be determined through an operator's choice of fixed, random, keyboard entry, or memory recall.



### Rechargeable Battery

Rechargeable Battery Option for portable operation.



### Remote Scale

Remote Scale Option using A&D SB Platforms or most other manufacturers' load cell platforms.

- 500 ID Memories with 6 Digit ID stores unit weight, tare weight, comparator limits, accumulator and 12 digit alphanumeric ID code/name.
- Four simple modes for determining Average Piece Weight; Sample Count (5, 10, 25, 50, 100, random), 10-key Input, ID Recall or Computer Input.
- LED Prompting Navigation System for intuitive operator use virtually eliminates operator training time.
- Large bright VFD Display simultaneously displays count, weight, comparator result, unit weight, ID #, and item code. (up to 12 alphanumeric characters)
- Automatic Counting Accuracy Improvement (ACAI) ensures quick, high count accuracy with minimal hand sample count.
- Standard bi-directional RS-232C Interface with optional 2nd & 3rd Interfaces provide interface to document or bar code printers, bar code readers and computers.
- Universal Flex Com (UFC) Setup Software allows user to format printer output data.
- Comparator Function (Hi/OK/Lo) makes kitting and checkweighing easy. Displayed status is standard. Buzzer and relay outputs are optional.
- Rugged Aluminum Die-Cast Frame Housing with Splash proof Display and Keyboard.
- Full Digital Calibration.



## FC-i Series Specifications

FC-i	FC-500Si	FC-5000Si	FC-500i	FC-1000i	FC-2000i	FC-5000i	FC-10Ki	FC-20Ki	FC-50Ki
Capacity (metric)	500 g	5 kg	500 g	1 kg	2 kg	5 kg	10 kg	20 kg	50 kg
Display Resolution (g)	0.02	0.2	0.05	0.1	0.2	0.5	1	2	5
Capacity (lb)	1	10	1	2	5	10	20	50	100
Display Resolution (lb)	0.00005	0.0005	0.0001	0.0002	0.0005	0.001	0.002	0.005	0.01
Min Sample Unit Weight	0.0001g	0.001g	0.0005 g	0.001g	0.002 g	0.005g	0.01g	0.02g	0.05g
Weight Sensor	Super Hybrid Sensor (SHS)			Strain Gauge Load Cell					
Internal Resolution	5 million			1 million					
Sample Size	10 pieces normal - 5, 25, 50, 100 or random number, user selectable								
Sensitivity Drift	0.001%/°C (5°C ~ 35°C) typ.			0.002%/°C (5°C ~ 35°C) typical					
Operating Temp.	5°C ~ 40°C (→85% RH)			-10°C ~ 40°C (→85% RH)					
Display	7 segment / 5 x 7 dot Vacuum Florescent Display (VFD)								
Power	100, 120, 220, 240 VAC 50/60Hz (AC Adapter) or optional NiMH Battery Pack - Operating time approximately 10 hours (main scale only)								
Pan Size (mm)	128 x 128	165 x 165	200 x 150			300 x 280			
Pan Size (inch)	5.0 x 5.0	6.5 x 6.5	8 x 6			11.8 x 11			
Dimensions DWH (mm)						330 x 462 x 106			
Dimensions DWH (inch)						13.0 x 18.2 x 4.6			
Weight (kg)	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.5
Weight (lb)	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.5
Calibration Weight	500 g	5 kg	500 g	1 kg	2 kg	5 kg	10 kg	20 kg	50 kg
Accessories	Instruction Manual, AC Adapter, Breeze Break (FC-500Si only)								

Specifications are subject to change for improvement without notice.

### Options:

- FC-02i NiMH Battery Pack
- FC-03i 2nd & 3rd RS-232C Interfaces
- FC-04i 2nd RS-232C & Comparator Relay Outputs
- FC-05i Remote Scale Interface
- CC:110 Carry / Storage Case

Note: 1st RS-232C is standard  
FC-03i and FC-04i cannot co-exist

### Accessories:

- AD-1191 Dot Matrix Compact Printer
- AD-8121 Dot Matrix Compact Printer
- AD-8118A Journal Printer
- AD-8118B Universal Printer
- AD-8951 Comparator Light
- SB Remote Platforms
- UFC Software (Free Download <http://www.andweighing.com/downloads.cfm>)



AD-1191 Dot Matrix Compact Printer