

# FC-i

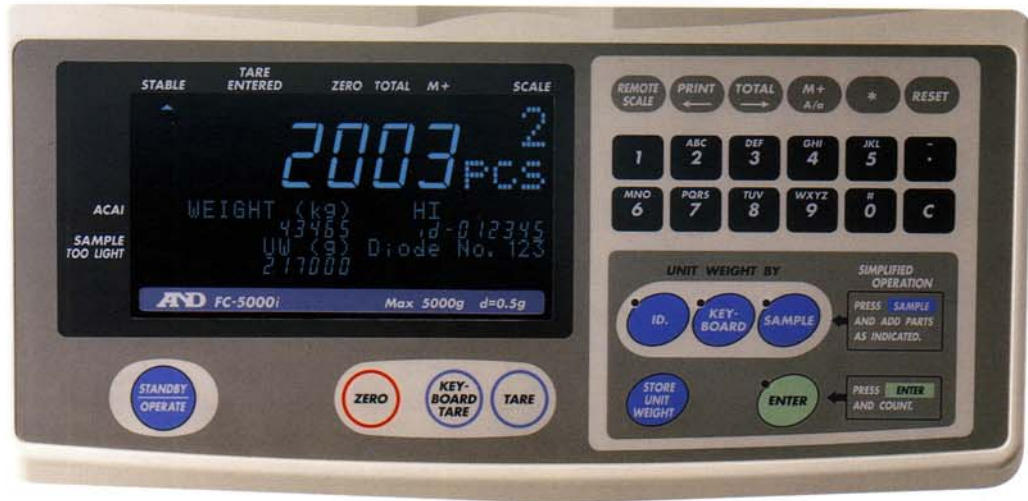
Series

## 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