NEW
Waterproof Checkweighing Scales

FS-i
Series

FS-6Ki
FS-15Ki
FS-30Ki

A&D MERCURY PTY. LTD.
http://www.andmercury.com.au
Ultra-fast weighing response of just 0.5 secs helps to easily identify weighing results and improve display unit and weighing pan enclosed in IP65 approved waterproof stainless steel for an easy to clean unit.

**Ultra-Fast Weighing**
No time wasted with high-speed weighing stability of only 0.5 secs

**IP65 Dustproof & Waterproof**
Simple to keep the FSi clean with IP65 approved washable stainless steel display unit and weighing pan

**Comparator function**
Simply input the Target Weight by placing a sample on the weighing pan, by pressing the 10-key pad or by setting the HI and LO limit in weight or percentage

**Comparator lights**
3 different colored lights indicate comparison results of LO in red, OK in green and HI in yellow for fast and easy checkweighing result verification

**Analog Sweep Display (ASD)**
60-segment analog sweep display shows Simple Weighing Display mode, Target Weighing Display mode, Limit Checkweighing Display mode and Analog Display Off mode

- **No sample on the pan**
- **Half of FSi’s full weighing capacity on the pan**

- **Simple weighing display**
The Simple weighing display shows the weight of the sample on the pan marked at the halfway point of the 60 segment ASD, which is simply illustrating that the sample is half of the pan’s full weighing capacity.

- **Target weighing display**
The Target weighing display marks the target weight (in this case, half of the full weighing capacity at segment 40 of the ASD offering clear and useful target results for filling applications.)

- **Limit Check weighing display**
The Limit Check weighing display marks the limit between segments 20 and 40 (in this case, the weight is half of the full weighing capacity) for easy identification of LO, OK and HI results.

- **Analog display OFF**
with 3 comparator lights increase productivity.

**Backlight function**
Large bright 18.6mm high display and 60-segment analog sweep display both have backlights making it easy to read the display even in dim light.

**Three weighing resolutions**
Selectable weighing resolutions of 1/3000 of normal resolution, 1/6000 or 1/7500 of high resolution, and 1/12000 or 1/15000 of higher resolution to meet user requirements.

**Multi weighing unit**
Kg, g, lb, oz and lb:oz are selectable for user’s weighing applications.

**Pre-set TARE function**
Easy to key in the TARE weight to deduct the container before use.

**Sealed Lead Acid rechargeable battery (6V, 4Ah)**
Optional SLA battery (HC-024) can operate for up to 80 hours after being fully charged for about 15 hours.

**Auto power OFF function**
The display automatically turns OFF when zero is displayed for approximately 5 minutes as a power saving function.

**Memory function**
100 Target Weight memory function and HI and LO limits for diverse checkweighing applications.

**Two way power supply**
AC main power supply and optional Sealed Lead Acid rechargeable battery are available.

**Simplified operation mode**
Users can select the simplified operation mode using function settings to activate only the ON/OFF, ZERO, TARE, SAMPLE and PRINT/ENT keys or only the ON/OFF, ZERO and TARE keys to avoid any unexpected errors.

**Calibration function**
Easy and simple to calibrate the FS-i series with a calibration standard mass for accurate weighing.

**Interface and relay output**
RS-232C with Relay output (FS-031) and RS-422/485 with Relay output (FS-041) are available as optional interfaces to expand weighing data acquisition applications and automated weighing system applications.

**Buzzer function**
A buzzer sounds when each key is pressed and the comparator function activates to indicate comparison results.

**UFC function**
Flexibility of printout formatting available with Universal FlexComs function.

**Leveling function**
Easy to adjust using four leveling feet with a spirit level for more accurate weighing.

- Approved for Trade Certificate No. TBA
Specifications

<table>
<thead>
<tr>
<th></th>
<th>FS-6Ki</th>
<th>FS-15Ki</th>
<th>FS-30Ki</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight capacity (kg)</td>
<td>6</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>Min. display (kg)</td>
<td>0.0005</td>
<td>0.001</td>
<td>0.002</td>
</tr>
<tr>
<td></td>
<td>0.001</td>
<td>0.002</td>
<td>0.005</td>
</tr>
<tr>
<td></td>
<td>0.002*</td>
<td>0.005*</td>
<td>0.01*</td>
</tr>
<tr>
<td>Weight capacity (lb)</td>
<td>15</td>
<td>35</td>
<td>70</td>
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<tr>
<td>Min. display (lb)</td>
<td>0.001</td>
<td>0.002</td>
<td>0.005</td>
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<tr>
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<td>0.02*</td>
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<tr>
<td>Weight capacity (oz)</td>
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<td>560</td>
<td>1120</td>
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<td>Min. display (oz)</td>
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<td>0.05</td>
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<td>0.1</td>
<td>0.2</td>
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<tr>
<td></td>
<td>0.1*</td>
<td>0.2*</td>
<td>0.5*</td>
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<tr>
<td>Repeatability</td>
<td>±0.001kg</td>
<td>±0.002kg</td>
<td>±0.005kg</td>
</tr>
<tr>
<td>Non-linearity</td>
<td>±0.002kg</td>
<td>±0.005kg</td>
<td>±0.01kg</td>
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<tr>
<td>Span drift</td>
<td>±20ppm</td>
<td>±20ppm</td>
<td>±20ppm</td>
</tr>
<tr>
<td>Display</td>
<td>±20°C / ±35°C / ±41°F / ±95°F</td>
<td></td>
<td></td>
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<tr>
<td>Display update</td>
<td>20 times per second</td>
<td></td>
<td></td>
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<tr>
<td>Operating temperature</td>
<td>−10°C−40°C / 14°F−104°F, less than 85% RH (no condensation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>AC main (100V−240V) or SLA Rechargeable Battery (Option)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Battery Life: Approx. 80h (no back light, no lamp, no Interface)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weighing pan size</td>
<td>250 x 250mm / 9.8 x 9.8inches</td>
<td>380 x 300mm / 15.0 x 11.8inches</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>250(W) x 414(D) x 496(H)mm</td>
<td>380(W) x 464(D) x 496(H)mm</td>
<td></td>
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<tr>
<td></td>
<td>9.8(W) x 16.3(D) x 19.5(H)inches</td>
<td>15.0(W) x 18.3(D) x 19.5(H)inches</td>
<td></td>
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<tr>
<td>Weight (approximate)</td>
<td>8.1kg / 18.7lb</td>
<td>14.9kg / 34.3lb</td>
<td></td>
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<tr>
<td>Calibration weight (factory setting)</td>
<td>6kg / 15lb</td>
<td>15kg / 30lb</td>
<td>30kg / 60lb</td>
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</tbody>
</table>

Options

- **HC-02i**: Sealed Lead Acid rechargeable battery (6V, 4Ah)
- **FS-03i**: RS-232C + Relay Output
- **FS-04i**: RS-422/485 + Relay Output

Accessories

- **AD-8121B**: Compact Printer
- **AD-8118B**: Journal Printer

External Dimensions (mm/Inches)

**FS-30Ki**

- 107 / 4.21
- 45 / 1.77
- 149 / 5.87
- 48 / 1.89
- 464 / 18.27
- 380 / 14.96
- 90 / 3.55

**FS-6Ki / FS-15Ki**

- 250 / 9.84
- 90 / 3.55