**FX Series**

**Functional X-ellence Station**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>FX-101</th>
<th>FX-102</th>
<th>FX-103</th>
<th>FX-105</th>
<th>FX-107</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Telescope</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>Li-ion rechargeable battery</td>
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<td>Li-ion rechargeable battery</td>
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</tr>
<tr>
<td><strong>Size with handle</strong></td>
<td>Approx. 5.7kg (12.6 lb.)</td>
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</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0°C to 60°C (32°F to 140°F)</td>
<td>0°C to 60°C (32°F to 140°F)</td>
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</tr>
<tr>
<td><strong>Dust and water protection</strong></td>
<td>IP54</td>
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<td>IP54</td>
<td>IP54</td>
<td>IP54</td>
</tr>
<tr>
<td><strong>Optical plummet</strong></td>
<td>Circular level</td>
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<td>Circular level</td>
</tr>
<tr>
<td><strong>Levels</strong></td>
<td>Graphic</td>
<td>Graphic</td>
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</tr>
<tr>
<td><strong>Laser-pointer</strong></td>
<td>Red laser diode (635nm±10nm), Beam accuracy: <a href="mailto:1.0mm@1.3m">1.0mm@1.3m</a>, Class 2 laser product</td>
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<tr>
<td><strong>Display / Keyboard</strong></td>
<td>26 keys with backlight</td>
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</tr>
<tr>
<td><strong>OS, Interface and Data management</strong></td>
<td>Microsoft Windows® CE 6.0 / MAGNET Field On-Board Application Software</td>
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<td><strong>Trigger key</strong></td>
<td>Automatic brightness control / 26 keys with backlight</td>
<td>Automatic brightness control / 26 keys with backlight</td>
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<tr>
<td><strong>Flash</strong></td>
<td>USB flash memory (max. 8GB)</td>
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<td><strong>Distance measurement</strong></td>
<td>0.3 to 4,000m (13,120ft.) / Under good conditions</td>
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<td><strong>Angle measurement</strong></td>
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<tr>
<td><strong>Accuracy (ISO 17123-3:2001)</strong></td>
<td>Fine: 0.9s (initial 1.7s), Rapid: 0.7s (initial 1.4s), Tracking: 0.3s (initial 1.4s)</td>
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<tr>
<td><strong>Accuracy (ISO 17123-4:2001)</strong></td>
<td>(1 + 2ppm x D) mm</td>
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**Totaly Functional**

- [ ] Windows® CE is Ready in a Lightweight, Compact Body
- [ ] MAGNET™ Field On-Board Application Software
- [ ] RED-tech Technology Reflectorless EDM
- [ ] LongLink Data Communication
- [ ] Advanced Angle Measurement System
- [ ] Long-lasting Battery
- [ ] Waterproof, Rugged, and Operator Friendly

*Offers a one-year warranty.*
The FX Total Station Offers High Performance in a Compact Size.

- **Windows® CE is Ready in a Lightweight, Compact Body**
  - Windows® CE provides a comfortable operating environment.
  - Completely new board application.
  - Back Pack installed as standard feature.

- **MAGNET®**
  - Cloud-based solutions for precise positioning.
  - “ASOS” software family that uses the cloud to seamlessly connect data in the field and office.
  - Zeal Time Connexion when you need it.

- **MAGNET® Field**
  - Data Collection and Coordinate Geometry.

- **RED-tech Technology**
  - Reflectorless EDM.
  - Traditional pinpoint precision in reflectorless distance measurement.

- **LongLink Data Communication**
  - Bluetooth® wireless technology for reliable data communications.
  - Data is instantly available at the Bluetooth-equipped controller.

- **Advanced Angle Measurement System**
  - Reflectorless EDM.
  - Traditional pinpoint precision in reflectorless distance measurement.

- **Long-lasting Battery**
  - Batteries are high capacity batteries.
  - Batteries provide hours of power.

- **Waterproof, Rugged, and Operator Friendly**
  - Dust proof, water proof rating.
  - Shatter resistant and heavy duty handle.
  - Standard use temperature range.
  - IP65, waterproof technology.
  - Can be used in all conditions.

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