### SHAFTALIGN® OS3 – Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SHAFTALIGN® OS3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer</strong></td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Intel XScale PXA270 running at 520 MHz</td>
</tr>
<tr>
<td>Memory</td>
<td>64 MB RAM, 64 MB Flash</td>
</tr>
<tr>
<td>Display</td>
<td>3.5&quot; TFT, transmissive (sunlight-readable) 65 535 colours, backlight LED Resolution: 320 x 240 Pixel</td>
</tr>
<tr>
<td>Keyboard elements</td>
<td>Up, Clear and Menu Alphanumeric keyboard Five extra hard keys (Dimensions, Measure, Results, Soft foot, Live Move)</td>
</tr>
<tr>
<td>LED indicators</td>
<td>Multicolour LED for laser status and alignment condition Multicolour LED for battery status</td>
</tr>
<tr>
<td>Power supply</td>
<td>Disposable batteries: 5 x 1.5 V IEC LR6 (&quot;AA&quot;); Operating time: 9 hours* (typical use) Lithium-ion rechargeable battery: 7.4 V / 2.6 Ah; Operating time: 17 hours* (typical use) *Based upon an operating cycle of 33% measurement, 33% computation and 33% 'sleep' mode.</td>
</tr>
<tr>
<td>External interface</td>
<td>RS232 (serial) sensALIGN 3 sensor USB host, USB slave, AC adapter/charger socket Integrated wireless communication, class 1 connectivity, transmitting power 100 mW</td>
</tr>
<tr>
<td>Environmental protection</td>
<td>IP 65 (dustproof and water spray resistant) Shockproof Relative humidity 10% to 90%</td>
</tr>
<tr>
<td>Temperature range</td>
<td>Operation: -10 °C to 50 °C (14 °F to 122 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Approx. 220 x 165 x 45 mm (8.7&quot; x 6.5&quot; x 1.8&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>742 g (1.64 lb)</td>
</tr>
</tbody>
</table>

**sensALIGN® 3 Laser /Sensor**

- **Measurement principle**: Coaxial, reflected laser beam
- **Detector**
  - Measurement area: unlimited, dynamically extendible
  - Resolution: 1 μm
  - Accuracy (avg): > 98%
- **Laser**
  - Type: Semiconductor laser diode
  - Wavelength (typical) 670 nm (red, visible)
  - Safety class: Class 2 according to IEC 60825-1:2007
  - Beam power: < 1 mW
  - Beam divergence: < 0.3 mrad
  - Safety precautions: Avoid looking directly into laser beam
- **Inclinometer**
  - Measurement range: 0° to 360°
  - Resolution: 0.1°
  - Error at 22 °C (Ta): ± 0.30% read out
- **Ambient light protection**: Yes
- **Temperature range**
  - Operating temperature: -10 °C to 55 °C (14 °F to 131 °F)
  - Storage temperature: -20 °C to 80 °C (-4 °F to 176 °F)
- **Dimensions**
  - Approx. 107 x 70 x 49 mm (4 1/4" x 2 3/4" x 2")
- **Weight**
  - Approx. 177 g (6 1/2 oz.)

**Reflector**

- **Type**: 90° roof prism
- **Accuracy (avg)**: > 99 %
- **Dimensions**
  - Approx. 100 x 41 x 35 mm (4" x 1 5/8" x 1 3/8")
- **Weight**
  - Approx. 65 g (2 1/2 oz.)

**BT Module**

- **Details**
  - Class 1, wireless data transmission
  - Transmitting power: 100 mW
  - Transmission distance: up to 10 m (33 ft.)
  - Complies with FCC rules part 15.247
- **LED indicators**
  - 1 LED for Bluetooth communication
  - 3 LEDs for battery status
- **Power supply**
  - Batteries 2x 1.5 V IEC LR6 ("AA")
  - Operating time: 14 hours typical use (based upon an operating cycle of 50% measurement, 50% standby)
- **Temperature range**
  - Operating temperature: -10 °C to 50 °C (14 °F to 122 °F)
- **Environmental protection**
  - IP 65 (dustproof and water spray resistant)
  - Relative humidity: 10% to 90%
- **Dimensions**
  - Approx. 81 x 41 x 34 mm (3 1/8" x 1 11/16" x 1 5/16")
- **Weight**
  - Approx. 133 g (4.7 oz.) including batteries and cable