The XT-DTS is the highest performance ruggedised distributed temperature sensor currently on the market. Designed for remote and hostile environments, the unit has a class-leading operating temperature range of -40°C to +65°C. The XT-DTS can operate on solar or wind power without compromising the superior accuracy and reliability. It can be configured and controlled remotely via a wireless or satellite link enabling remote data collection, which allows for effective asset optimization and environmental risk management even in previously unreachable locations. The unit can be optimised for 2 km, 5 km and 10 km ranges.

**Product Specifications**

**Sensing Capabilities**

<table>
<thead>
<tr>
<th>Range</th>
<th>Channels</th>
<th>Resolution</th>
<th>Measurement</th>
<th>Fibre Type</th>
<th>Referencing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 10km</td>
<td>4</td>
<td>25cm</td>
<td>0.01°C</td>
<td>50/125µm multimode</td>
<td>x2 PT-100 probes</td>
</tr>
</tbody>
</table>

**Power Supply Requirements**

- 40W @ Room Temperature
- 45W @ -40°C
- 43W @ +65°C

Capacity to reduce power consumption for standby operation (idle power requirements: about 13W)

**Physical Dimensions**

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>165mm</td>
<td>365mm</td>
<td>470mm</td>
<td>12kg</td>
</tr>
</tbody>
</table>

**Operating Environment**

Temperature: -40°C to +65°C
Humidity: 5-95%RH

**Communication Options**

- 2 x Ethernet
- Internal SSD (64GB)

**Operating System**

- Windows XP (32bit)
- Windows 7 (64bit)

**Certification & Compliance**

**Safety**
- Class 1 Laser Product
  - CFR 21 Parts 1040.10 & 1040.11
  - EN 61010-1:2010

**EMC**
- EN61326-1:2013

**FCC**
- CFR 47:2008 Part 15 Sub Part B
- 2014/30/EU (EMC)

**CE Mark**
- 2014/35/EU (safety)
- 2014/30/EU (EMC)

**Data Monitoring**

- XT Viewer
- XT Client