Fluo-Temp-GT-HT-ST
Photon Control provides a range of highly accurate temperature system converters that can be paired with a selection of temperature measurement probes to meet application requirements. Each system comes with downloadable analyzing software.

<table>
<thead>
<tr>
<th>Common Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Range (°C) (probe dependent)</td>
<td>-40 to +200</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>12 V to 24 VDC +/-5%</td>
</tr>
<tr>
<td>Measurement Sampling Rate (Hz)</td>
<td>30</td>
</tr>
<tr>
<td>Analog Output 4-20mA Resolution</td>
<td>16 bit</td>
</tr>
<tr>
<td>Measurement Resolution (°C)</td>
<td>0.01</td>
</tr>
<tr>
<td>Digital Interface</td>
<td></td>
</tr>
<tr>
<td>RS-232</td>
<td></td>
</tr>
<tr>
<td>19200 bps 8N1</td>
<td></td>
</tr>
<tr>
<td>(Cable not included)</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature Range (°C)</td>
<td>-20 to +60</td>
</tr>
<tr>
<td>Digital Interface</td>
<td></td>
</tr>
<tr>
<td>RS-485</td>
<td></td>
</tr>
<tr>
<td>Modbus 19200 bps 8N1</td>
<td></td>
</tr>
<tr>
<td>(Cable not included)</td>
<td></td>
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</tbody>
</table>

Fluo-Temp-GT-ST
The Fluo-Temp-GT-ST temperature converter yields a wide measurement range of -40°C to +200°C with accuracy of +/-0.05 °C (probe dependent). Its robust and easy-to-use interface suits a large variety of applications.

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<td>Digital Interface</td>
<td></td>
</tr>
<tr>
<td>RS-232</td>
<td></td>
</tr>
<tr>
<td>Via ACA-0010B</td>
<td></td>
</tr>
<tr>
<td>(Cable not included)</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature Range (°C)</td>
<td>-20 to +50</td>
</tr>
<tr>
<td>Digital Interface</td>
<td></td>
</tr>
<tr>
<td>RS-485</td>
<td></td>
</tr>
<tr>
<td>Via BUS Terminal</td>
<td></td>
</tr>
<tr>
<td>(Cable not included)</td>
<td></td>
</tr>
</tbody>
</table>

Probe Selection
General purpose probes designed for solid, gas, and liquid temperature measurements.

**Immersion Probe**
- Easily Sterilized Flexible Body
- Flexible Sensing Tip
- Sealed Polymer Jacket

**Contact Probe**
- Rigid Body
- Conductive Sensing Tip

**Life Science Probe**
- Easily Sterilized Flexible Body
- Flexible Sensing Tip
### Probes

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Temperature Range</th>
<th>Accuracy</th>
<th>Probe Length</th>
<th>Wetted Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTP-GENCON-ST-1M</td>
<td>Contact</td>
<td>0 to +150°C</td>
<td>±0.5°C</td>
<td>1m</td>
<td>Gold-plated copper</td>
</tr>
<tr>
<td>FTP-NY2-ST-1M</td>
<td>Immersion</td>
<td>0 to +80°C</td>
<td>±0.5°C</td>
<td>1m</td>
<td>Polyethylene</td>
</tr>
</tbody>
</table>

**PalmSense² Portable Handheld Temperature Measurement System**

Where mobility is key, use the PalmSense² out in the field, in manufacturing facilities or in the lab for quick and accurate measurement. The system is suitable for high temperature measurements in radio frequency (RF) and electro-magnetic interference (EMI) applications. Move between critical sensing points with up to 24 hours of battery life on continuous use. Download data externally via USB from the system's 4 MB internal memory. The PalmSense² features a high accuracy of +/-0.05°C (probe dependent). The PalmSense² is paired with a Contact or an Immersion Temperature Measurement Probe.

**Contact us:**

Photon Control is a leader in precision measurement solutions, specializing in customization and OEM manufacturing. Visit www.photon-control.com for more information, or contact us at info@photon-control.com with your measurement requirements for engineering guidance and a quote.