

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.

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



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.

Common Specifications			
Measurement Range (°C) (probe dependent)	-40 to +200	Power Requirements	12 V to 24 VDC +/-5%
Measurement Sampling Rate (Hz)	30	Analog Output 4-20mA Resolution	16 bit
Measurement Resolution (°C)	0.01	Digital Interface RS-232	Via ACA-0010B (Cable not included)
Operating Temperature Range (°C)	-20 to +50	Digital Interface RS-485	Via BUS Terminal (Cable not included)



Probe Selection

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

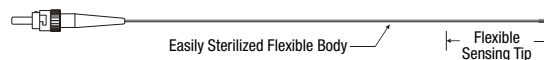
Immersion Probe



Contact Probe



Life Science Probe



Probe Type	Operating Range	Accuracy (BA/HA/SC)*	Sensing Tip Dimensions	Probe Length**	Min Bend Radius	Wetted Material	Model Information *
Immersion Probes							
TZ1	-40°C ~ +150°C	±1.0/0.5/0.3	Ø2.3mm	2m or 5m	30mm	ETFE	FTP-TZ1-xxM-yy
NY2	-20°C ~ +80°C	±0.5/0.3/0.1°C	Ø1.0mm	2m or 5m	25mm	Nylon	FTP-NY2-ST-xxM-yy
TF4	-40°C ~ +200°C	±1.0/0.5/0.3°C	Ø1.1mm	2m or 5m	30mm	PFA (Black)	FTP-TF4-xxM-yy
Life Science Probes							
LNY2	+10°C ~ +60°C	±NA/0.2/0.1°C	Ø1.0mm	2m or 5m	30mm	Polyethylene	FTP-LNY2-xxM-yy
LPIM	+10°C ~ +60°C	±NA/0.5/0.3°C	Ø0.4mm	2m or 5m	30mm	Polyimide	FTP-LPIM-xxM-yy
Contact Probe							
GENCON	0°C ~ +150°C	±0.5/0.3/NA°C	Ø2.7mm	2m or 5m		PEEK	FTP-GENCON-ST-xxM-yy

* xx is the length of probe and yy is the accuracy (BA,HA,SC)

** Customized probe lengths available upon request.

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.



Specifications			
Measurement Range (°C)	0 to 150	Digital Interface	USB 2.0 Mini
Measurement Sampling Rate (Hz)	30	Digital Memory (MB)	4
Measurement Resolution (°C)	+/-0.01	Dimensions (mm)	157 x 99 x 30
Operating Temperature Range (°C)	-20 to +45	Weight (g)	750
Display	160 x 240 pixel LCD		

Probes

Model	Type	Temperature Range	Accuracy	Probe Length	Wetted Material
FTP-GENCON-ST-1M	Contact	0 to +150°C	±0.5°C	1m	Gold-plated copper
FTP-NY2-ST-1M	Immersion	0 to +80°C	±0.5°C	1m	Polyethylene

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.