

OEM FIBER OPTIC SIGNAL CONDITIONER FOTEMP-OEM

KEY FEATURES

- Designed for OEM integration
- Rugged, shielded housing
- Small footprint
- 1-4 channels
- Measuring range: $-200\text{ }^{\circ}\text{C}$ to $+300\text{ }^{\circ}\text{C}$
- High accuracy: $\pm 0.2\text{ }^{\circ}\text{C}$
- Various serial interface options
- Private label option
- Attractive volume discounts

APPLICATIONS

- EMI, RFI and microwave environments
- High voltage environments
- Harsh and hazardous environments
- Nuclear environments
- Aerospace applications
- Process monitoring
- Medical applications (MRT)

OEM FIBER OPTIC SIGNAL CONDITIONER FOTEMP1-OEM

DESCRIPTION

The FOTEMP-OEM is a small form factor interface module designed for convenient integration of high precision GaAs-based fiber optic temperature sensor technology into OEM applications where common electrical temperature sensors and thermocouples cannot be used.

This OEM interface product is compatible with all TS series fiber optic temperature probes. The sensors are entirely non-metallic and electrically passive, providing immunity to EMI, RFI, NMR, microwaves and radiation is required.

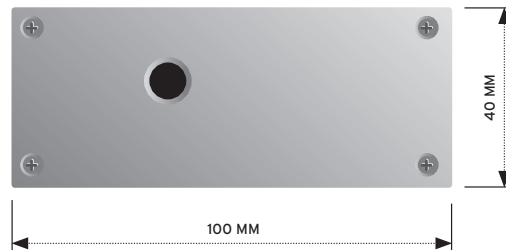
TECHNICAL SPECIFICATIONS

Number of channels	Standard: 1 Additional channels upon request
Power supply	9-12 VDC, includes plug-in AC power supply
Power supply	350 mA
Measuring Range	-200°C to +300°C
Accuracy	+/- 0.2 °C
Resolution	0.1 °C
Sampling rate	2 Hz
Analog output	Options: 0-10 V or 4-20 mA (programmable), BNC
Digital interface	Standard: RS-232 Options: RS-485/USB/SPI
Serial protocol	ASCII over RS232, etc. See FOTEMP-Assistant data sheet for ASCII protocol details
Data logging	Supplied with FOTEMP-Assistant software. Excel compatible.
Optical interface	ST, compatible with all TS series fiber optic temperature probes
Temperature	Storage: -20°C to +70°C Operating: 0°C to +50°C
Weight	80g
Dimensions	190 x 100 x 40mm
Warranty	2 years
Calibrations	Standard -20°C to +300°C Optional -200°C to +300°C
Calibration Intervals	Under normal use, the instrument does not require recalibration. When sensors and cables are changed, a One-Point Calibration is required. Recommended cal interval is 12 months for ISO systems.

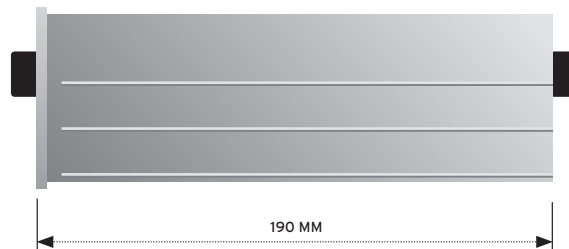
Specifications subject to change without notice

DIMENSIONS

FRONT VIEW



SIDE VIEW



Ordering Info

FOTEMP1-OEM

Standard single-channel version with RS232 interface

Other FOTEMP-OEM configurations available upon request. Contact Micronor to discuss your OEM application and requirements.

TS series temperature probes available from stock:

- TS2-02** TS2 General Purpose, Length=2m
- TS2-06** TS2 General Purpose, Length=6m
- TS3-10MM-02** TS3 General Purpose, L1=10mm, L=2m
- TS3-10MM-02** TS3 General Purpose, L1=10mm, L=6m
- TS4-02** TS4 Harsh Chemicals, Length=2m
- TS5-20MM-02** TS5 Medical, L1=20mm, Length=2m
- TST2-02** TSTRAFO Transformers, Length=2m
- TSNANO-02** TS Nano, Length=2m

Other lengths and configurations available upon request. Contact Micronor to discuss your OEM fiber optic temperature monitoring application and requirements.



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