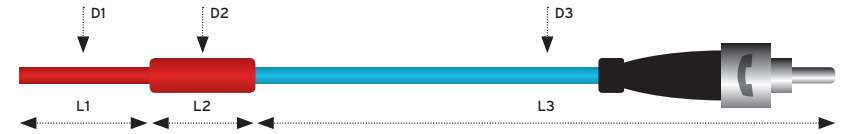




**FIBER OPTIC
TEMPERATURE SENSORS**
PRODUCT OVERVIEW

FIBER OPTIC TEMPERATURE SENSORS



MODEL	TS2	TS3	TS4	TS5	TS-Trafo	TSNANO
Key Features	High accuracy, resistance to extreme temperatures, completely non-conductive	Immune to EMI/RFI and microwave emissions, completely non-conductive	High accuracy, completely PTFE coated	Flexible fiber optic cable, corrosion resistant, small and compact size, high accuracy	Extended transformer life, Easy installation & integration	Miniature size, robust, self assembly
Applications	Power generator, Bus bar	Microwave and RF environments	Harsh chemical conditions, e.g. nuclear	Medical environments, catheter instrumentation	Generators, Transformers, Bus bars	Process monitoring
Temperature range	-200°C to +300°C	-200°C to +300°C	-200°C to +200°C	-200°C to +200°C	-200°C to +200°C	-200°C to +200°C
Accuracy	+/-0.2°C	+/-0.2°C	+/-0.2°C	+/-0.2°C	+/-0.2°C	+/-1°C
Response time	≤ 2.0s	≤ 2.0s	≤ 2.0s	≤ 2.0s	≤ 2.0s	≤ 10.0s
Probe dimensions	D1: 1,0 mm D2: 1,7 mm D3: 1,3 mm	D1: 1,0 mm D2: 1,7 mm D3: 1,3 mm	D1: 2,0 mm D2: 2,0 mm D3: 1,3 mm	D1: 0,55 mm D2: 2,0 mm D3: 1,3 mm	D1: 0,9 mm D2: 1,5 mm D3: 4,5 mm	D1: 0,9 mm D2: 1,6 mm D3: 1,3 mm
Fiber optic cable dimensions Other lengths on request	L1: 10 mm L2: 10 mm L3: 2m standard	L1: 10-130 mm L2: 30 mm L3: 2m standard	L1: 10 mm L2: 10 mm L3: 2 m standard	L1: 10-600 mm L2: 15 mm L3: 2m standard	L1: 6 mm L2: 26mm L3: 2m Standard	L1: 30 mm L2: ≤1 m L3: 2m standard
Cable coating	Polyimide/Teflon	Polyimide/Teflon	Polyimide/Teflon	Polyimide/Teflon	Polyimide/Teflon	Polyimide/Teflon
Connector type	ST	ST	ST	ST	ST	ST

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FIBER OPTIC SIGNAL CONDITIONERS



MODEL	FOTEMP1-4	FOTEMP1-PCB	FOTEMP1-H	FOTEMPtrafo	FOTEMP MK-19" Modular
Description	Compact Bench Top	OEM	Single-Channel Handheld	DIN Rail Mount	Modular 19 inch Rack
Number channels	1-4	1-4	1	1-8	1- 255
Measurement	Temperature	Temperature	Temperature	Temperature	Temperature
Applications	Laboratory EMI, RFI, microwave, high voltage environments	OEM integration	Handheld, Battery operated, Rechargeable	Transformators Generators Process Control	Multichannel Process Monitoring
Power supply	100-240VAC/ 50-60Hz	12VDC	12VDC	24VDC	100-240VAC / 50-60Hz
Accuracy	+/-0.2°C	+/-0.2°C	+/-0.2°C	+/-0.2°C	+/-0.2°C
Sampling rate/channel	250ms	250ms	250ms	250ms	250ms, 500ms, 1sec
Analog output	Optional 0-10V / 4-20mA	Optional 0-10V / 4-20mA	No analog output	Optional 0-10V / 4-20mA	Optional 0-10V / 4-20mA
Relay output	Optional: 8	---	---	Optional: 8	Optional
Interface	Standard: RS232 & USB Options: RS485	Standard: RS232 Options: RS485/USB/SPI	Standard: RS-232 Options: RS485/USB	Standard: RS232 & USB Options: RS485/Profibus	RS-232 / RS-485 / USB / Profibus / Modbus / Ethernet

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