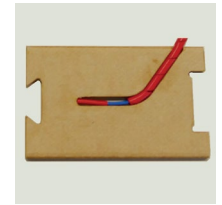
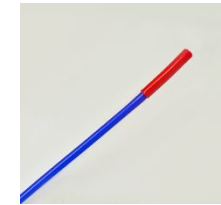
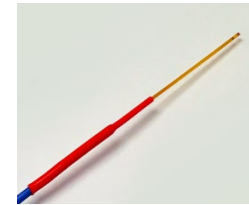
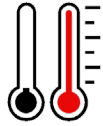
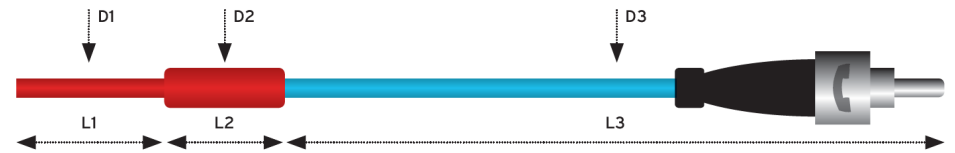


FOTEMP TEMPERATURE PROBES™



MODEL	TS2p Smallest	TS3 General Purpose	TS4 Harsh Chemicals	TS5 Medical & SFF	TST Transformers	SmartSpacer Disc, & Busbar
Key Features	Smallest size, for direct contact measurement or micro-vial immersion, Bare GaAs crystal (300µm x 300µm) and fastest measurement, Non-Conductive.	Semi Rigid Probe, Immune to EMI/RFI and Microwave Emissions, Non-Conductive.	High Accuracy, Corrosion Resistant, PTFE Coated, Non-Conductive.	Flexible Probe, Small Form Factor, and Compact Size, Non-Conductive.	Specifically Designed for Use in Oil-Filled & Dry Transformers, Non-Conductive	Non-conductive accessories used to embed TST and TS3 probes in transformers, busbar and switchgear.
Applications	RF environments, High Voltage applications, Semiconductors & Medical Testing	General Use: Food, Microwave Oven, and RF Environments	Harsh Chemical and Liquid Immersion	Medical Environments, Catheter Instrumentation, Semiconductor, Small FF	Oil-Filled Transformers	General Use: Transformer Windings, Bus Bars, & other Switchgear.
Continuous Temperature Range	-200 °C to +260 °C	-200 °C to +260 °C	-200 °C to +260 °C	-200 °C to +260 °C	-200 °C to +260 °C	Temperature depends on material, max +180 °C
Short-term Temp Range (max 1hr)	+260 °C to +300 °C	+260 °C to +300 °C	+260 °C to +300 °C	+260 °C to +300 °C	+260 °C to +300 °C	
Accuracy (1σ)	± 0.2 °C	± 0.2 °C	± 0.2 °C	± 0.2 °C	± 0.2 °C	---
Thermal Response	20 °C/s	12 °C/s	7 °C/s	19 °C/s	19 °C/s	---
Probe Dimensions	D1: 0.45 mm D2: 1.70 mm D3: 1.30 mm	D1: 1.0 mm D2: 1.70 mm D3: 1.30 mm	D1: 1.0 mm D2: 1.7 mm D3: 1.3 mm	D1: 0.55 mm D2: 1.70 mm D3: 1.30 mm	D1: 1.70 mm D2: 1.30 mm D3: 3.00 mm	SmartSpacer & SmartDisc for use with TST probes. SmartBusbar with TS3.
Other Dimensions	L1: 2 mm L2: 42 mm L3: 2-20 m	L1: 15-550 mm L2: 20 mm L3: 2-20 m	L1: 15-550 mm L2: 10 mm L3: 2-20 m	L1: 15-550 mm L2: 20 mm L3: 2-20 m	L1: 10 mm L2: 15 mm L3: 2-20 m	Consult drawings
Cable Coating	Polyimide / PTFE	Polyimide / PTFE	PTFE	Polyimide / PTFE	PTFE	NOMEX T994, PEEK or Transformer Board
Connector Type	ST	ST	ST	ST	ST	---
STOCK PRODUCTS (L1 and L Lengths)	TS2p-02	TS3-15MM-02 TS3-15MM-05 TS3 for SmartBusbar	TS4-20MM-02 TS4-20MM-05	TS5-20MM-02, -06 TS5-50MM-02, -06	TST2D for SmartDisc TST2J for SmartSpacer	EOF0200 SmartSpacer EOF0256 SmartDisc ZM0060 SmartBusbar

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98-OPTC-27-E
[QR Code to TS sensors](#)



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