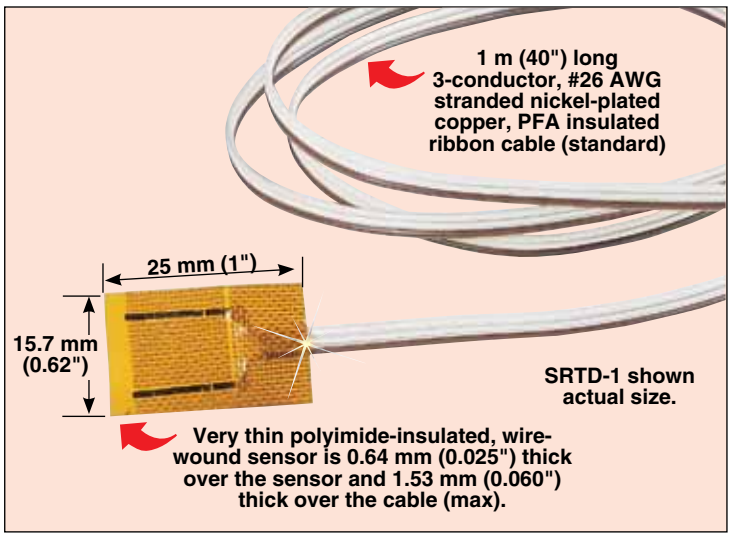
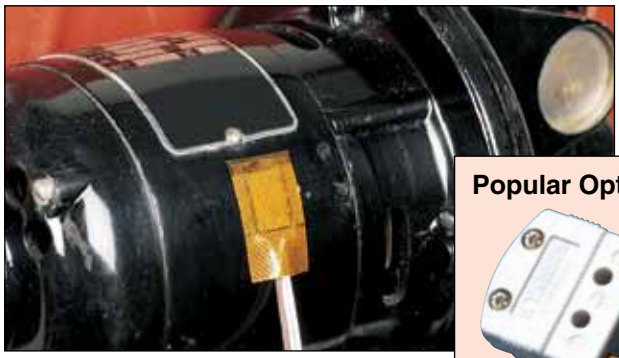
“Cement-On” Surface Sensing RTD Sensors

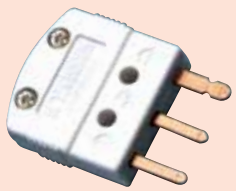
SRTD Series



- Ideal for Surface Temperature Measurement Applications
- Wire-Wound, 100 Ω DIN Platinum (0.00385) Construction
- Low Thermal Inertia Allows for Very Fast Response Times
- Usable Temperature Range: -200 to 260°C Continuous (290°C Short Term)
- Available in Two Standard Resistance Tolerances
- Sensors Can be Installed Using OMEGABOND® 101 and 200 Epoxies



Popular Option:



MTP-U-M
heavy-duty connector.

Recommended Epoxies for Cementing SRTDs

Model Number	Description
OB-101-1/2	105°C (221°F) ½ oz twin pack
OB-101-2	105°C (221°F) 2 oz twin pack
OB-200-2	260°C (500°F) 2 oz twin pack
OB-200-16	260°C (500°F) 1 lb kit

To Order

Model No.	Description
SRTD-1—100.00 ±0.50W at 0°C ±0.50% of Temperature Reading 260°C Continuous	
SRTD-1	Cement on RTD with 36 inch leads
SRTD-1-48 INCH	Cement on RTD with 48 inch leads
SRTD-1-60 INCH	Cement on RTD with 60 inch leads
SRTD-1-72 INCH	Cement on RTD with 72 inch leads
SRTD-1-120 INCH	Cement on RTD with 120 inch leads
SRTD-2—100.00 ±0.22W at 0°C ±0.25% of Temperature Reading 260°C Continuous	
SRTD-2	Cement on RTD with 36 inch leads
SRTD-2-48 INCH	Cement on RTD with 48 inch leads
SRTD-2-60 INCH	Cement on RTD with 60 inch leads
SRTD-2-72 INCH	Cement on RTD with 72 inch leads
SRTD-2-120 INCH	Cement on RTD with 120 inch leads

Selected Specifications: *100.00 Ω at 0°C, temp coefficient = 0.00385 Ω/Ω/°C. Stability: <0.2°C drift per year at rated service and proper mounting. Response time: <200 milliseconds lag on metal surfaces. Self heating: bare sensor will rise less than 1°C while dissipating 3 mW in still air. Insulation resistance: 50 MΩ minimum at 50 Vdc (dry conditions at room temperature). Minimum bend radius: 9.5 mm (⅜") transverse to element, 38.1 mm (1½") longitudinal to winding.*
Ordering Examples: SRTD-1-MTP, *with MTP connector.*