

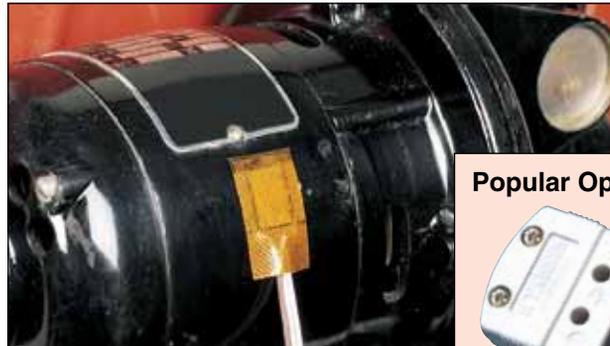
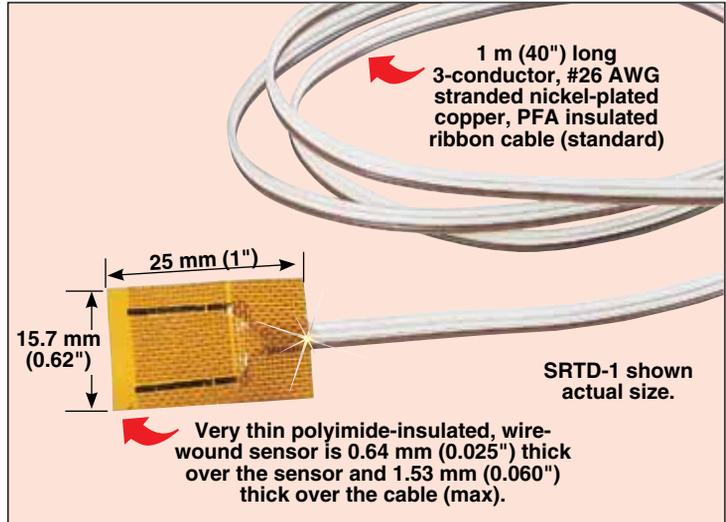
# “Cement-On” Surface Sensing RTD Sensors

## SRTD Series

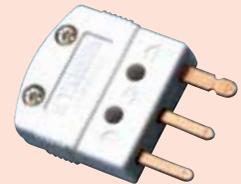
- ✓ Ideal for Surface Temperature Measurement Applications
- ✓ Wire-Wound, 100 Ω DIN Platinum (0.00385) Construction
- ✓ Low Thermal Inertia Allows for Very Fast Response Times
- ✓ Usable Temperature Range: -200 to 260°C Continuous (290°C Short Term)
- ✓ Available in Two Standard Resistance Tolerances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

### 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



### Popular Option:



MTP-U-M heavy-duty connector.

## To Order

Model No.	Description
<b>SRTD-1—100.00 ±0.50W at 0°C ±0.50% of Temperature Reading 260°C Continuous</b>	
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
<b>SRTD-2—100.00 ±0.22W at 0°C ±0.25% of Temperature Reading 260°C Continuous</b>	
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: 70 ms (63.2% response) in water flowing at 3' per second. 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 (¾") transverse to element, 38.1 mm (1½") longitudinal to winding.

**Ordering Examples:** SRTD-1-MTP, with MTP connector.