



- -30-125°C Operating Temperature
- Platinum RTD Temperature Sensor –
- Accuracy .15C (Class A,B)
- Overmolded RTDs probe
- IP67/IP68
- 100ohm or 1,000ohm RTD available
- Media – Liquid, Air, & Gas
- Fast Response Time (<750ms in Liquid)
- RoHS compliant

DESCRIPTION

The PRTD10 platinum RTD temperature sensors are designed for temperature applications requiring IP68 waterproof type sensor probes. Using unique thermoplastic elastomer materials along with a double or triple reinforced over molding process allows for these sensors to stay in liquid indefinitely. This protects the RTD against virtually any water ingress. The low-cost automated manufacturing process allows for a cost-effective solution for a highly accurate sensor.

APPLICATIONS

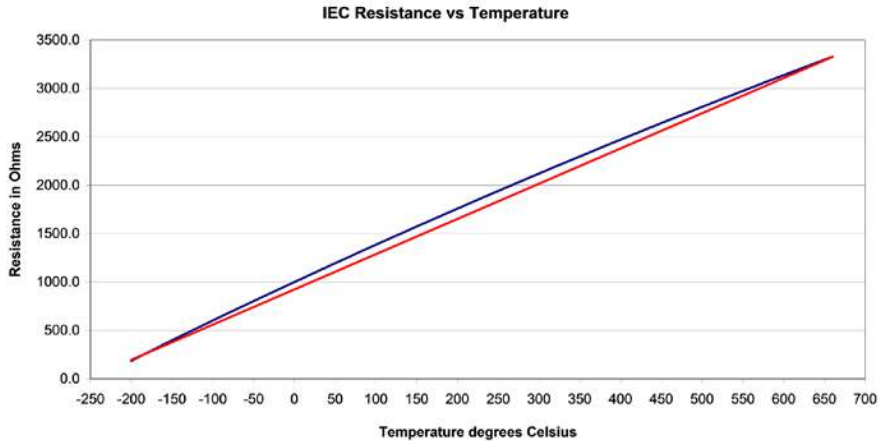
- Industrial Automation
- HVAC
- Semiconductor
- Liquid /Gas Chromatography
- Commercial Ovens

Maximum Environmental Ratings

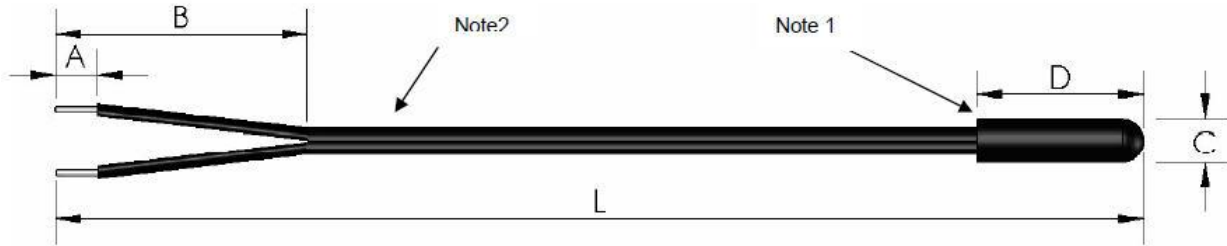
Operating Temperature -30°C to 125°C

Storage Temperature Range -55°C to 140°C

Resistance vs Temperature Graph



Mechanical Dimensions (inches),



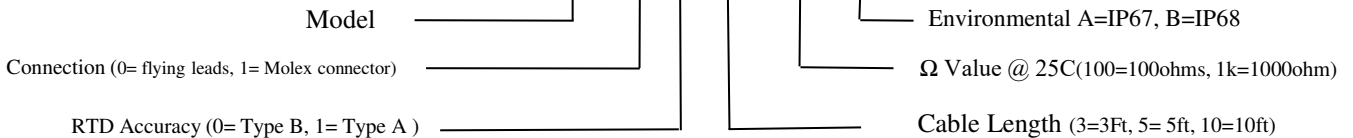
Dimension				
A	B	C	D	
5 ± 1mm	35 ± 3mm	∅ 5mm	15 ± 1mm	

Note 1: RTD encapsulated using TPU overmold material (Temperature Rating 125C)

Note 2: 24AWG tin plated zipcord cable with Black TPE jacket (Temperature rating 125C)

Part Number Configuration

PRTD10-0-0-3-100A



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Notice:

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