



- -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

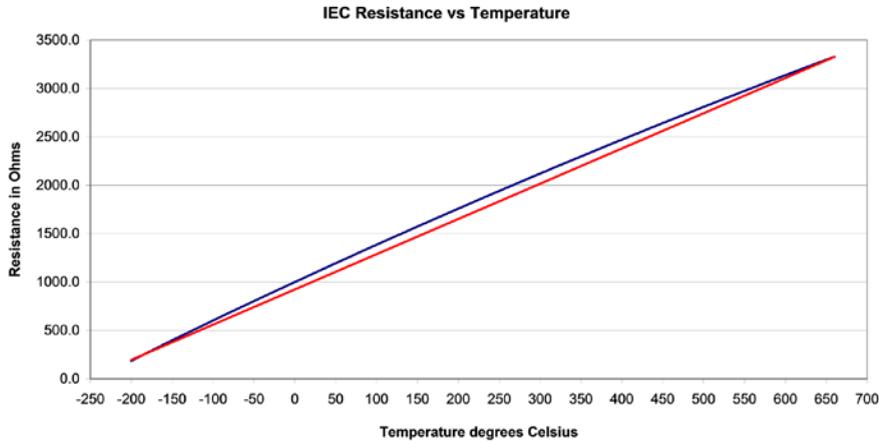
- Industrial Automation
- HVAC
- Semiconductor
- Liquid /Gas Chromatography
- Commercial Ovens

### Maximum Environmental Ratings

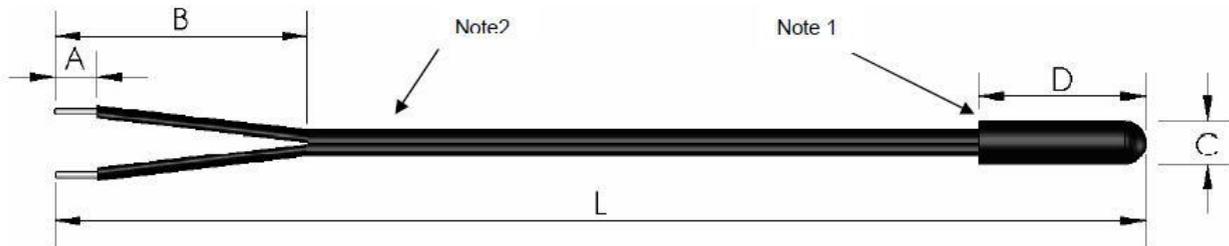
Operating Temperature ..... -30°C to 125°C

Storage Temperature Range ..... -55°C to 140°C

## Resistance vs Temperature Graph



## Mechanical Dimensions (inches),



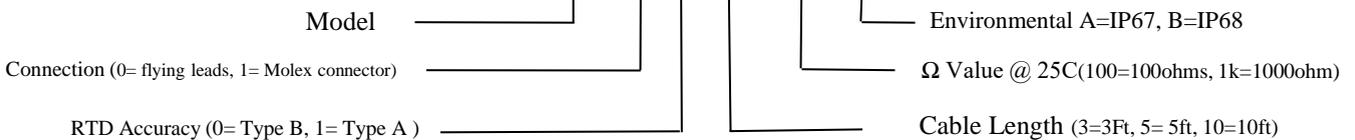
| Dimension |          |       |          |  |
|-----------|----------|-------|----------|--|
| A         | B        | C     | D        |  |
| 5 ± 1mm   | 35 ± 3mm | ∅ 5mm | 15 ± 1mm |  |

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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