

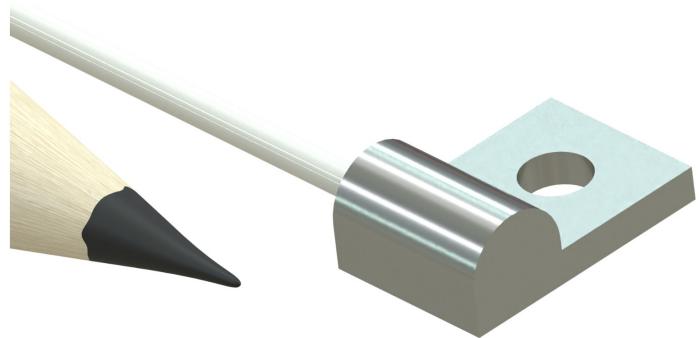
TEMPERATURE SENSOR

MINIATURE SURFACE MOUNT BOLT DOWN OR CEMENT ON RTD

Bolt Down or Cement On Surface RTD

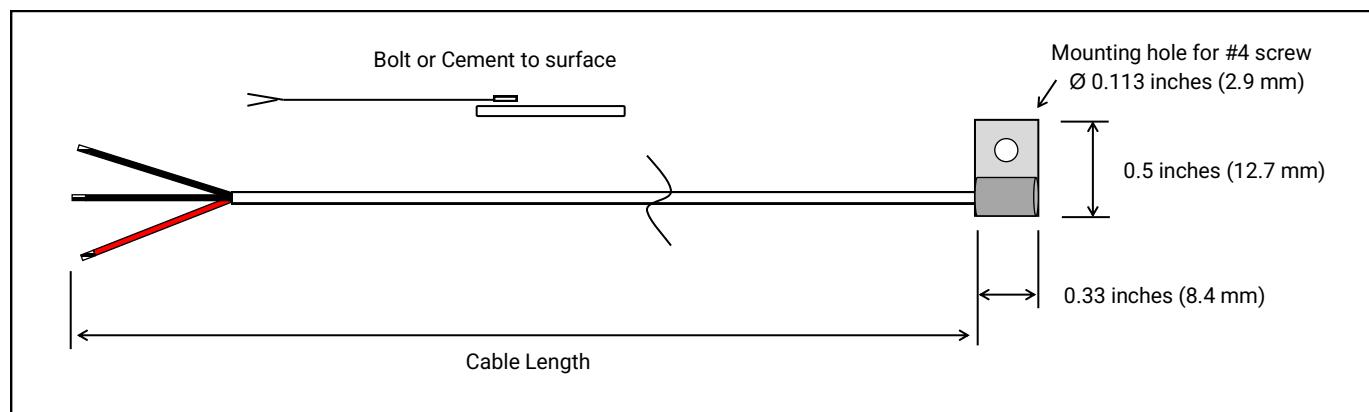
FEATURES

- Thin Film PT100 or PT1000 RTD Element
- Fitting housing is aluminum for fast thermal response
- Made in the USA
- Teflon™ insulated wires
- Designed for research & development applications



SPECIFICATIONS

RTD element type:	Thin film platinum, 100Ω at 0°C, $\alpha = 0.00385$ or Thin film platinum, 1000Ω at 0°C, $\alpha = 0.00385$
Range:	-58 to 400°F (-50 to 204°C)
Accuracy:	Class A, $\pm 0.15^\circ\text{C}$
Fitting Housing Material:	Aluminum
IP Rating:	IEC IP64
Response Time*:	6 Seconds
*Time Constant:	Defined as the time required to reach 63.2% of an instantaneous temperature change Five time constants are required to approach 100% of the step change value
Lead Wire:	PFA Teflon™ insulated, 26 AWG, stranded conductors
Wiring:	2 or 3-wire



ORDERING INFORMATION

Model	RTD Element Type	Cable Length	Number of Wires	Connector
SMBD-RTD	□□□□□	-□□□	-□	-□□
	PT100 Platinum 100Ω	036 36 inches	2 2-wire	N No connector
	PT1000 Platinum 1000Ω	072 72 inches	3 3-wire	FJ Female mini-jack
		180 180 inches		MP Male mini-plug

ORDERING EXAMPLE

SMBD-RTD-PT100-036-3-N: Bolt Down RTD, PT100 Element, 36 inch long cable, 3-wire, no connector



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