

MINIATURE SURFACE MOUNT THREADED STUD RTD

Male Threaded Fitting Surface RTD Temperature Sensor

FEATURES

- Thin Film PT100 RTD Element
- Stainless steel hex fitting for durability
- Made in the USA
- PFA Teflon™ insulated wires
- Designed for research & development applications

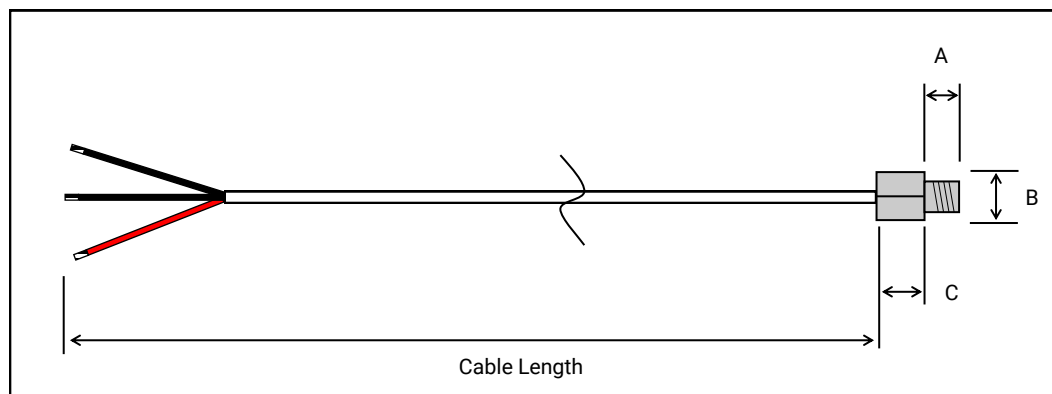
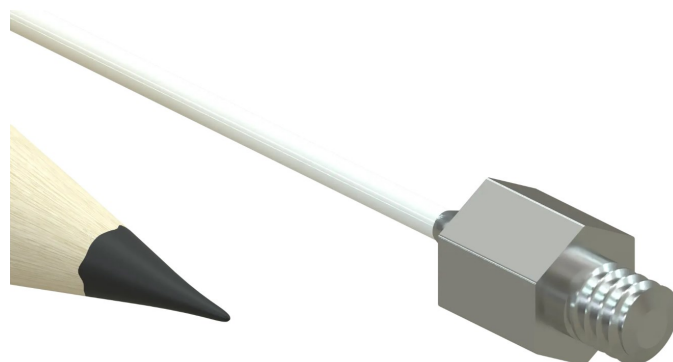
SPECIFICATIONS

RTD element type: Thin film platinum, 100Ω at 0°C, $\alpha = 0.00385$
Range: -90 to 500°F (-70 to 260°C)
Accuracy: Class A, $\pm 0.15^\circ\text{C}$

Fitting Housing Material: 316 Stainless Steel
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-wire or 3-wire



Thread Size	A	B	C
#8-32	0.13"	0.25"	0.25"
#10-32	0.20"	0.28"	0.28"
M4	0.20"	0.28"	0.28"
1/4"-20	0.30"	0.44"	0.44"

ORDERING INFORMATION

Model	RTD Element Type	Cable Length	Number of Wires	Connector	Thread Option
SMTS-RTD	□□□□□□	- □□□	□	- □□	- □□
	PT100 Platinum 100Ω	036 36 inches 072 72 inches 180 180 inches	2 2-wire 3 3-wire	N No connector FJ Female mini-jack MP Male mini-plug	08 #8-32 10 #10-32 14 1/4"-20 M4 M4x0.7

ORDERING EXAMPLE

SMTS-RTD-PT100-036-3-N-08: Threaded Stud RTD, #8-32, PT100 Element, 36 inch long cable, 3-wire, no connector

CUSTOM CONFIGURATIONS AVAILABLE

