

MINIATURE SURFACE MOUNT THREADED STUD RTD

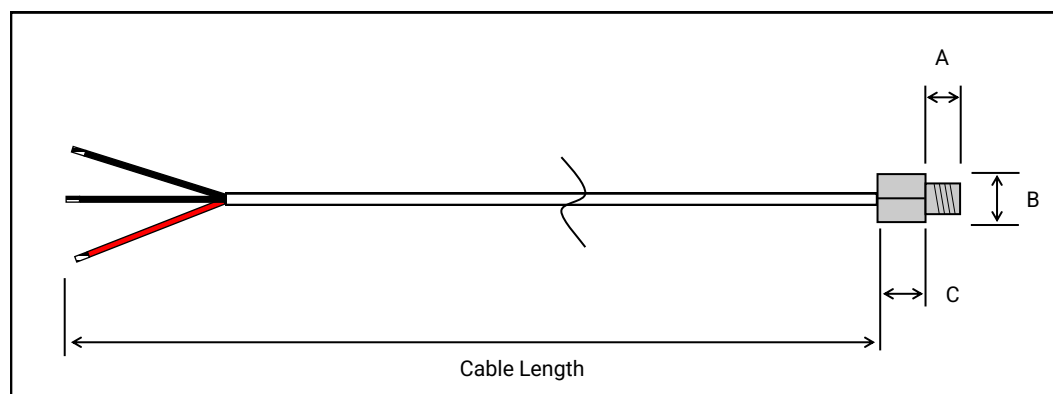
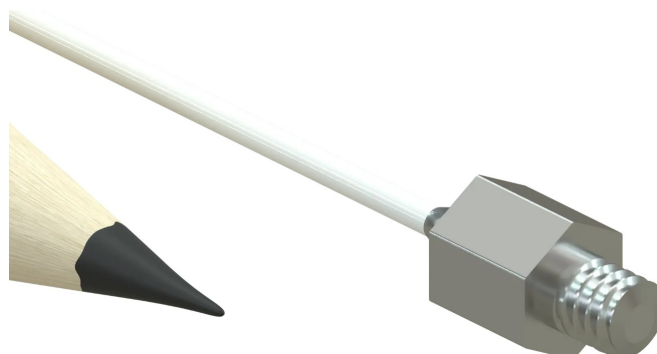
Male Threaded Fitting Surface RTD Temperature Sensor

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, $\alpha = 0.00385$ or Thin film platinum, 1000Ω at 0°C, $\alpha = 0.00385$
Range:	-58 to 400°F (-50 to 204°C)
Accuracy:	Class A, +/- 0.15°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



Thread Size	A	B	C
#6-32	0.25"	0.20"	0.22"
#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 PT1000 Platinum 1000Ω	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	06 #6-32 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

