prosense® RTD Flange Mount Probes

RTD1-F12L06-01

Overview

- Ideal for use with ovens, freezers, ducts, or anywhere through the wall temperature sensing is required.
- 100 ohm platinum RTD 3-wire element
- Class A accuracy
- 1/4" diameter, 316 SS sheath to protect against harsh environments
- 6", 12", or 18" probe lengths
- Mounting is accomplished using the conveniently attached round mounting flange
- 6-foot lead wires with stainless steel overbraid
- Made in the USA

RTD Flange Mount Probes							
Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Probe Insertion Length	Probe Material	Temperature Sensing Range	Mounting
RTD1-F06L06-01	1	0.44	$82.00	PT 100, Class A, 3-wire	6"	316 stainless steel	-40 to 316°C (-40 to 600°F)	1" diameter 1/16" thick 304 stainless steel flange (2x - ø0.144" mounting holes 0.75" spacing)
RTD1-F12L06-01	1	0.44	$84.00		12"			
RTD1-F18L06-01	1	0.44	$87.00		18"			

Technical Specifications	
Sensing Element	Single 100Ω platinum (Pt 100), 3-wire; TCR = 0.00385Ω/Ω/°C
Initial Accuracy	Class A ±[0.15 +0.002 |t|] °C
Probe	1/4" O.D., 316 stainless steel sheath
Minimum Installation Depth	3" (76mm)
Probe Minimum Bend Radius	Not bendable
Response Time	7 seconds, 63% of a 25 to 77°C step change (ASTM E1137)
Wiring	6 foot stranded 24 AWG wire leads with stripped ends, Kapton insulation and stainless steel overbraid

Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.
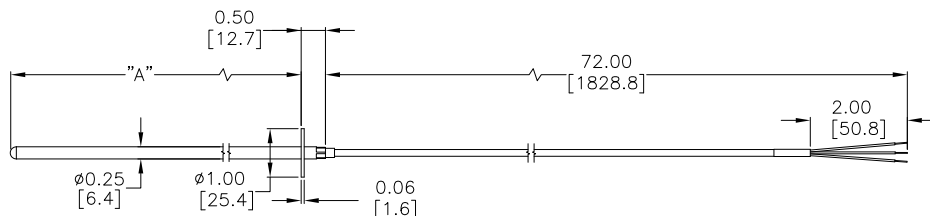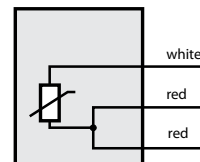
Dimensions

inches [mm]

RTD1-FXXL06-01

0.50 [12.7] "A" 72.00 [1828.8] 2.00 [50.8] ø0.25 [6.4] ø1.00 [25.4] 0.06 [1.6]

TABLE A	
PART NUMBER	DIM "A"
RTD1-F06L06-01	6.00[152.4]
RTD1-F12L06-01	12.00[304.8]
RTD1-F18L06-01	18.00[457.2]

Wiring Information

white
red
red

prosense® RTD Flange Mount Probe - Accessories

Accessories

Part No.	Description	Pcs/Pkg	Price
RTD-SP	RTD 3-pin connector, standard round pin plug, maximum continuous temperature 400°F (200°C), white body, copper pins, 14 AWG maximum (2.0 mm) wire size	1	$9.25
RTD-SJ	RTD 3-pin connector, standard round pin jack, maximum continuous temperature 400°F (200°C), white body, copper pins, 14 AWG maximum (2.0 mm) wire size	1	$12.00
WCB-S	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	$12.00

Note: RTD extension lead wire available at www.automationdirect.com
See end of section for full listing of accessories and dimension information.

RTD-SJ   **RTD-SP**

RTD Connectors