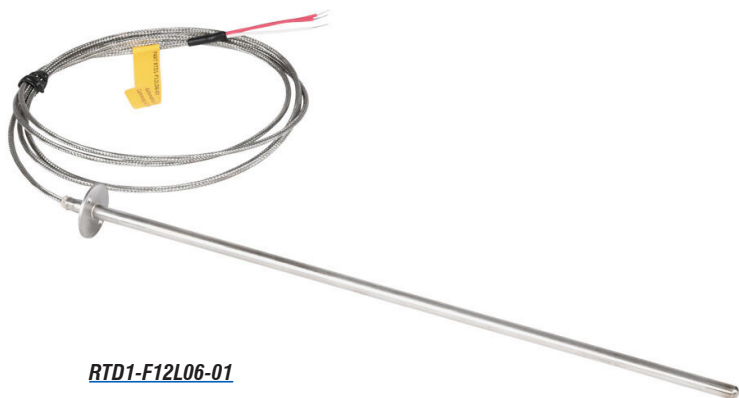


proSense® RTD Flange Mount Probes



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 | \$78.00 | 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 | \$80.00 | | 12" | | | |
| RTD1-F18L06-01 | 1 | 0.44 | \$82.00 | | 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 |

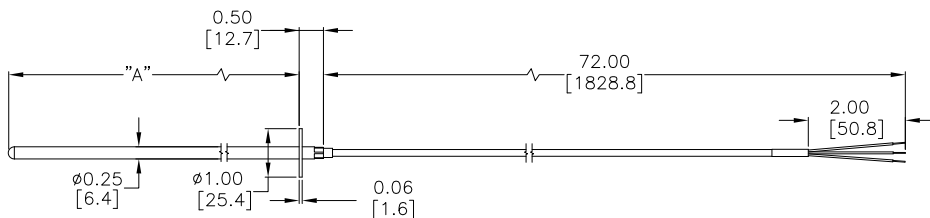


Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

Dimensions

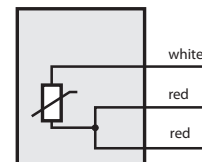
inches [mm]

RTD1-FXXL06-01



| 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



prosense® RTD Flange Mount Probe - Accessories

Accessories

| Part No. | Description | Pcs/Pkg | Price |
|----------------------|--|----------------|--------------|
| <u>RTD-SP</u> | 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 | \$9.00 |
| <u>RTD-SJ</u> | 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 | \$11.50 |
| <u>WCB-S</u> | 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**