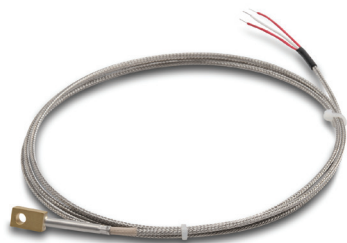# prosense® RTD Bolt-On Ring Sensors

Overview

- Ideal for many surface mount sensing applications
- 100 ohm platinum RTD 3-wire element
- Class A accuracy
- Brass ring construction

- 6-foot lead wires with Kapton insulation and stainless steel overbraid
- Made in the USA

RTD Probes with Leadwire Transition

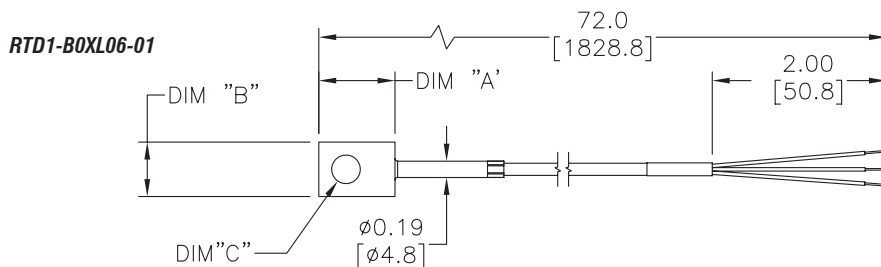| Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Ring Material	Temperature Sensing Range	Mounting
RTD1-B01L06-01	1	0.4	$72.00	PT 100, 3-wire	Brass	-50 to 300°C (-58 to 572°F)	Bolt on #6-#10 (4mm-5mm) screw or bolt size
RTD1-B02L06-01	1	0.4	$76.00	PT 100, 3-wire	Brass	-50 to 300°C (-58 to 572°F)	Bolt on #12, 1/4 to 5/16 inch (5mm - 8mm) screw or bolt size

Technical Specifications

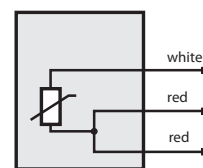|	
Sensing Element	Single 100Ω platinum (Pt 100), 3-wire; TCR = 0.00385 Ω/Ω/°C
Initial Accuracy	Class A ±[0.15 +0.002 |t|] °C
Response Time	7 seconds, 63% of a 25 to 77°C step change (ASTM E1137)
Wiring	6 foot stranded 24 AWG wire leads with stripped ends, Kapton insulation and stainless steel overbraid

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

Dimensions

inches [mm]

RTD1-B0XL06-01

```
                        72.0
                      [1828.8]
  DIM "B"                                    2.00
       DIM "A'                              [50.8]

  DIM"C"        ⌀0.19
               [⌀4.8]
```

TABLE A			
PART NUMBER	DIM "A"	DIM "B"	DIM "C"
RTD1-B01L06-01	0.63[15.9]	0.38[9.5]	⌀0.20[⌀5.2]
RTD1-B02L06-01	0.88[22.2]	0.63[15.9]	⌀0.33[⌀8.3]

Wiring Information

```
        white
        red
        red
```

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	$9.00
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	$11.50
WCB-S	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors.	4	$12.00

Note: Full listing of accessories and dimension information available at the end of this section. RTD extension lead wire available at www.automationdirect.com