# **Or** Sense RTD Threaded Bolt Sensors



## **Overview**

- Typically used to measure the temperature of the nozzle of an injection molding machine without being in direct contact with the molten plastic.
- The small size of this sensor makes it ideal for other general areas of use such as mounting in bearing housings, sealing bars, heat plates, and other limited space applications
- 100 ohm platinum RTD 3-wire element
- · Class A accuracy
- 1/4-28 UNF threaded stainless steel rotating bolt allows for easy installation
- 6-foot lead wires with stainless steel overbraid
- · Made in the USA

RTD Threaded Bolt Sensors									
Part Number	Pcs/Pkg	Wt (lb)	Price	Туре	Bolt	Temperature Sensing Range			
RTD1-N38P14-01	1	0.25	\$63.00	PT 100, 3-wire	1/4-28 x 3/8" SS - Rotating Bolt	-40 to 316°C (-40 to 600°F)			

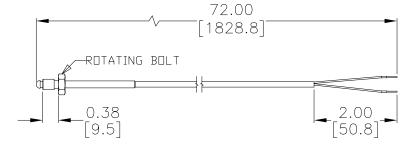
Technical Specifications					
Sensing Element	Single 100Ω platinum (Pt 100), 3-wire; TCR = 0.00385 $\Omega/\Omega$ /°C				
Initial Accuracy	Class A ±[0.15 +0.002  t ] °C				
Response Time	7 seconds, 63% of a 25 to 77°C step change (ASTM E1137)				
Wiring	6 foot stranded 24 AWG wire leads with stripped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



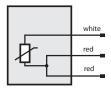
Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

# **Dimensions**

#### inches [mm]



# **Wiring Information**



## **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	\$7.00

Note: Full listing of accessories and dimension information available at the end of this section. RTD extension lead wire available at <a href="https://www.automationdirect.com">www.automationdirect.com</a>

www.automationdirect.com Temperature Sensors tTRS-83