

prosense® RTD Adjustable Immersion Sensor

Overview

- Ideal sensor for the plastics processing industry
- 100 ohm platinum RTD 3-wire element
- Class A accuracy
- Spring adjustable allows for variable immersion depths
- Integral bayonet cap makes installation quick and easy when used with a bayonet adapter or pipe clamp adapter
- Made in the USA



Shown with optional PCA pipe clamp adapter

RTD Probes with Spring Adjustable Immersion								
Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Sensor Dimensions	Lead Wire Length (ft)	Temperature Sensing Range	Mounting
<u>RTD1-D08L10-01</u>	1	0.3	\$61.00	PT 100, Class A, 3-wire	1/4" length x 3/16" O.D. sensing tip 8" length x 0.263" diameter spring.	10	-50 to 300°C (-58 to 572°F), lead wire transition rated to 400°F (204°C)	Bayonet fitting cap 7/16" inside diameter, single slot. Mount with ProSense bayonet fitting adapter or pipe clamp adapter (purchased separately - see accessories)

Technical Specifications	
Sensing Element	Single 100Ω platinum (Pt 100), 3-wire; TCR = 0.00385 Ω/Ω/°C
Initial Accuracy	Class A $\pm[0.15 + 0.002 t]$ °C
Probe	1/4" length x 3/16" O.D. sensing tip, 316 stainless steel sheath
Response Time	7 seconds, 63% of a 25 to 77°C step change (ASTM E1137)
Wiring	Stranded 24 AWG wire leads with stripped ends, fiberglass insulation and stainless steel overbraid This probe is not sealed and cannot be immersed in liquids.

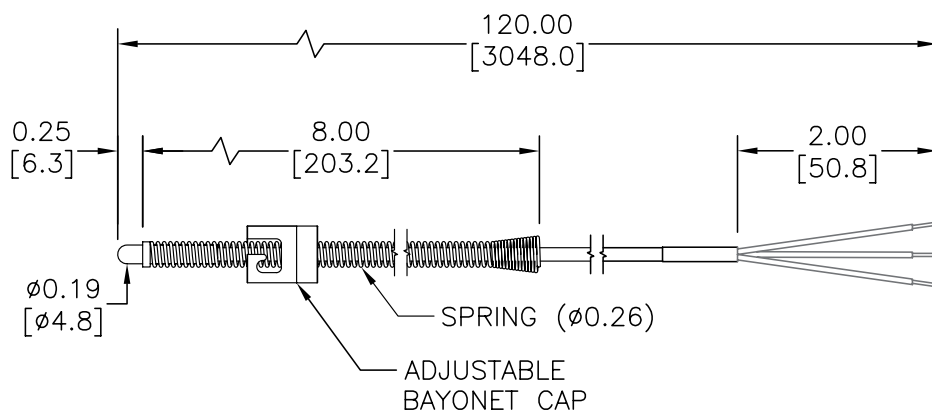


Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

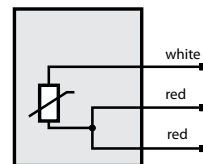
Dimensions

inches [mm]

RTD1-D08L10-01



Wiring Information



prosense® RTD Adjustable Immersion Sensor - 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	\$9.25
<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	\$12.00
<u>WCB-S</u>	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$12.00
<u>BA-078</u>	Bayonet adapter, 7/8 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$1.75
<u>BA-100</u>	Bayonet adapter, 1 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$1.75
<u>BA-114</u>	Bayonet adapter, 1-1/4 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$2.25
<u>BA-112</u>	Bayonet adapter, 1-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$2.25
<u>BA-200</u>	Bayonet adapter, 2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$2.50
<u>BA-212</u>	Bayonet adapter, 2-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$2.75
<u>BA-300</u>	Bayonet adapter, 3 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$3.00
<u>BA-312</u>	Bayonet adapter, 3-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT	1	\$3.50
<u>PCA-125</u>	Pipe clamp adapter, 11/16 to 1-1/4 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors.	1	\$19.00
<u>PCA-200</u>	Pipe clamp adapter with 1-1/16 to 2 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors	1	\$19.00
<u>PCA-300</u>	Pipe clamp adapter with 2-1/16 to 3 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors	1	\$21.00
<u>PCA-425</u>	Pipe clamp adapter with 3-5/16 to 4-1/4 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors	1	\$24.00
<u>PCA-500</u>	Pipe clamp adapter with 4-1/8 to 7 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors	1	\$22.50

Note: RTD extension lead wire available at www.automationdirect.com

See end of section for full listing of accessories and dimension information.

BA-078



RTD-SJ



RTD-SP



RTD Connectors

BA-114



PCA-300



Pipe Clamp Adapter

BA-300



Bayonet Mounting Adapters