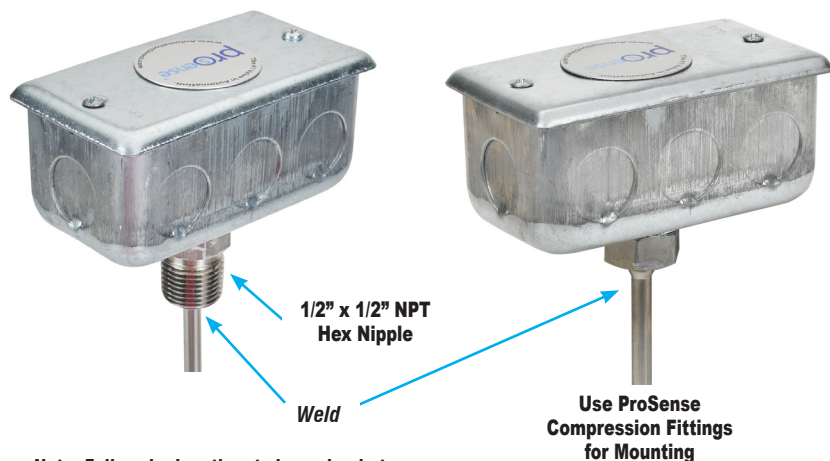


prosense® 10K-3 Thermistor Probes with Junction Box

NTC10K3-JB06-01NTC10K3-JB06-02

Note: Full probe length not shown in photos

Overview

- Probe
 - NTC 10k Thermistor Type 3
 - 1/4" diameter, 316 SS sealed sheath to protect against harsh environments
 - 6", 12" or 18" probe length
- 2" X 4" Junction Box
 - Nine, 1/2" knockouts for conduit and other connections
 - Easy install cover with two screws to keep cover securely closed
- Wiring
 - 2 feet of cable provided with 2 inches of 24AWG wire pre-stripped 1/4 inch and tinned
- Made in the USA



10K-3 Thermistor Probes with Junction Box

Part Number	Pcs/Pkg	Wt (lb)	Price	Drawing Link	Type	Probe Diameter (O.D.)	Probe Length	Temperature Sensing Range	Mounting
<u>NTC10K3-JB06-01</u>	1	0.89	\$57.00	<u>PDF</u>	10K-AN Type 3 Thermistor	1/4"	6"	-40 to 125° C (-40 to 257° F)	Integral 1/2" x 1/2" NPT Hex Nipple, 316 SS
<u>NTC10K3-JB12-01</u>		0.96	\$59.50	<u>PDF</u>			12"		
<u>NTC10K3-JB18-01</u>		1.0	\$62.00	<u>PDF</u>			18"		
<u>NTC10K3-JB06-02</u>		0.81	\$51.50	<u>PDF</u>			6"		ProSense compression fitting (see accessories - purchased separately)
<u>NTC10K3-JB12-02</u>		0.86	\$53.50	<u>PDF</u>			12"		
<u>NTC10K3-JB18-02</u>		0.93	\$56.00	<u>PDF</u>			18"		

Technical Specifications

Sensing Element	Epoxy Coated NTC Thermistor
No-Load Resistance	10kΩ at 25°C
Accuracy	± 0.2°C from 0°C to 70°C
Probe	ø1/4", 316 stainless steel sheath
Minimum Installation Depth	3" (76 mm)
Junction Box	2" X 4" galvanized steel junction box with multiple conduit openings, max temp. 221°F (105°C)
Sensing Element Response Time	Approximately 1 second*
Wiring	24 inches of PVC cable inside cover with 2 inches of 24AWG wire stripped 1/4 inch and tinned

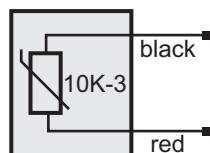
* The sensing element has an approximate response time of 1 second in a well stirred liquid bath. Different constructions will have different thermal responses.



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

prosense® 10K-3 Thermistor Probes with Junction Box

Wiring Information



- no polarity

Accessories

Part No.	Description	Pcs/Pkg	Price
<u>BCF14-125N</u>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/8 inch NPT male thread	1	\$3.25
<u>BCF14-25N</u>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/4 inch NPT male thread	1	\$4.25
<u>BCF14-50N</u>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/2 inch NPT male thread	1	\$6.50
<u>CF14-125N</u>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/8 inch NPT male thread	1	\$8.00
<u>CF14-25N</u>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/4 inch NPT male thread	1	\$9.25
<u>CF14-50N</u>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/2 inch NPT male thread	1	\$14.00
<u>CFTF-14</u>	Teflon ferrule for brass or stainless steel compression fittings and 1/4 diameter temperature probes	5	\$7.75

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