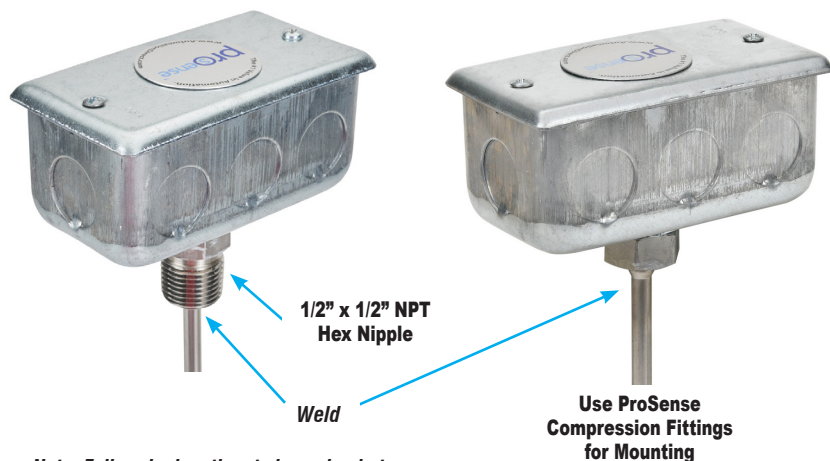


# proSense® 10K-3 Thermistor Probes with Junction Box

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
<a href="#">NTC10K3-JB06-01</a>	1	0.89	\$57.00	<a href="#">PDF</a>	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
<a href="#">NTC10K3-JB12-01</a>		0.96	\$59.50	<a href="#">PDF</a>			12"		
<a href="#">NTC10K3-JB18-01</a>		1.0	\$62.00	<a href="#">PDF</a>			18"		
<a href="#">NTC10K3-JB06-02</a>		0.81	\$51.50	<a href="#">PDF</a>			6"		ProSense compression fitting (see accessories - purchased separately)
<a href="#">NTC10K3-JB12-02</a>		0.86	\$53.50	<a href="#">PDF</a>			12"		
<a href="#">NTC10K3-JB18-02</a>		0.93	\$56.00	<a href="#">PDF</a>			18"		

## Technical Specifications

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

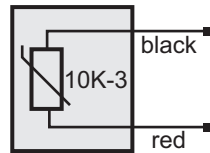
\* The sensing element has an approximate response time of 1 second in a well stirred liquid bath. Different constructions will have different thermal responses.



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

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