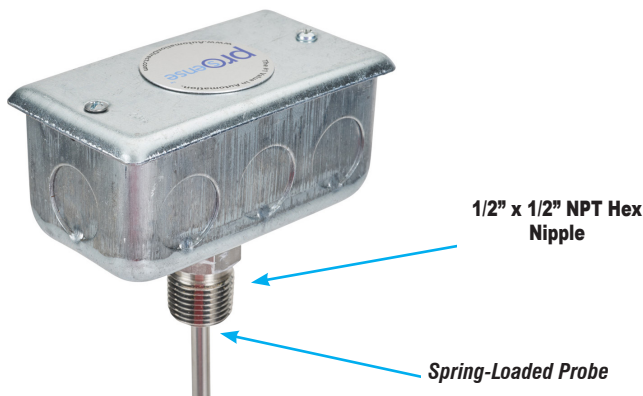


# prosense® 10K-3 Thermistor Spring-Loaded Probes with Junction Box

**NTC10K3-JB04-03**



*Note: Full probe length not shown in photo*

## Overview

- Probe
  - Spring-loaded for positive tip contact in thermowells
  - NTC 10k Thermistor Type 3
  - 1/4" diameter, 316 SS sheath to protect against harsh environments
  - 4", 6" or 12" 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 Spring-Loaded 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-JB04-03</a>	1	0.86	\$;6a!0:	<a href="#">PDF</a>	10K-AN Type 3 Thermistor	1/4"	4"	-40 to 125° C (-40 to 257° F)	Integral 1/2" x 1/2" NPT Hex Nipple, 316 SS. Mount in thermowell (see accessories, purchased separately)
<a href="#">NTC10K3-JB06-03</a>		0.89	\$;6a!1:	<a href="#">PDF</a>			6"		
<a href="#">NTC10K3-JB12-03</a>		0.92	\$;6a!2:	<a href="#">PDF</a>			12"		

## Technical Specifications

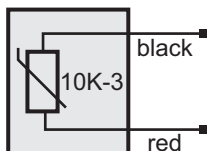
<b>Sensing Element</b>	Epoxy Coated NTC Thermistor
<b>No-Load Resistance</b>	10kΩ at 25°C
<b>Accuracy</b>	± 0.2°C from 0°C to 70°C
<b>Probe</b>	ø1/4", 316 stainless steel sheath
<b>Junction Box</b>	2" X 4" galvanized steel junction box with multiple conduit openings, Max Temp. 221°F (105°C)
<b>Sensing 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.*

## Wiring Information



- No polarity

# prosense® 10K-3 Thermistor Spring-Loaded Probe with Junction Box - Accessories

## Accessories

Part No.	Description	Pcs/Pkg	Price
<a href="#"><u>TW04-01</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 304 stainless steel, 4-1/4 inch overall length with 0.260 inch bore diameter, for use with 4-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 2-1/2 inch insertion length	1	\$08g4:
<a href="#"><u>TW04-02</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 304 stainless steel, 4-1/4 inch overall length with 0.260 inch bore diameter for use with 4-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 2-1/2 inch insertion length	1	\$08g5:
<a href="#"><u>TW04-03</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 316 stainless steel, 4-1/4 inch overall length with 0.260 inch bore diameter for use with 4-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 2-1/2 inch insertion length	1	\$08g6:
<a href="#"><u>TW04-04</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 316 stainless steel, 4-1/4 inch overall length with 0.260 inch bore diameter for use with 4-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 2-1/2 inch insertion length	1	\$08g7:
<a href="#"><u>TW06-01</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 304 stainless steel, 6-1/4 inch overall length with 0.260 inch bore diameter for use with 6-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 4-1/2 inch insertion length	1	\$08g8:
<a href="#"><u>TW06-02</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 304 stainless steel, 6-1/4 inch overall length with 0.260 inch bore diameter for use with 6-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 4-1/2 inch insertion length	1	\$08g9:
<a href="#"><u>TW06-03</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 316 stainless steel, 6-1/4 inch overall length with 0.260 inch bore diameter for use with 6-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 4-1/2 inch insertion length	1	\$08ga:
<a href="#"><u>TW06-04</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 316 stainless steel, 6-1/4 inch overall length with 0.260 inch bore diameter for use with 6-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 4-1/2 inch insertion length	1	\$08gb:
<a href="#"><u>TW12-01</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 304 stainless steel, 12-1/4 inch overall length with 0.260 inch bore diameter for use with 12-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 10-1/2 inch insertion length	1	\$08ge:
<a href="#"><u>TW12-02</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 304 stainless steel, 12-1/4 inch overall length with 0.260 inch bore diameter for use with 12-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 10-1/2 inch insertion length	1	\$08gf:
<a href="#"><u>TW12-03</u></a>	Standard duty threaded thermowell with 1/2 inch NPT male process threads, 316 stainless steel, 12-1/4 inch overall length with 0.260 inch bore diameter for use with 12-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 10-1/2 inch insertion length	1	\$08gg:
<a href="#"><u>TW12-04</u></a>	Standard duty threaded thermowell with 3/4 inch NPT male process threads, 316 stainless steel, 12-1/4 inch overall length with 0.260 inch bore diameter for use with 12-inch long, 1/4 inch diameter spring loaded probes with 1/2 inch NPT threaded fitting, 10-1/2 inch insertion length	1	\$08gh:

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

## Thermowells

