

prosense® 10K-3 Thermistor Probes with Attached Plug

NTC10K3-P06-02

Overview

- NTC 10k Thermistor Type 3
- 1/4" diameter, 316 stainless steel sheath to protect against harsh environments
- 6", 12", or 18" probe length
- Attached 2-pin plug for quick and easy wiring connections
- Made in the USA



10K-3 Thermistor Probes with Attached Plug

Part Number	Pcs/Pkg	Wt (lb)	Price	Drawing Link	Type	Probe Diameter (O.D.)	Probe Length	Temperature Sensing Range	Mounting	Attached Plug Size	Mating Jack
<u>NTC10K3-P06-02</u>	1	0.1	\$33.00	<u>PDF</u>	10K-AN Type 3 Thermistor	1/4"	6"	-40 to 125° C (-40 to 257° F) Plug rated to 400°F (204°C)	ProSense compression fitting (see accessories, purchased separately)	Standard size, 2-pin	NTC-SJ (see accessories, sold separately)
<u>NTC10K3-P12-02</u>		0.14	\$36.25	<u>PDF</u>			12"				
<u>NTC10K3-P18-02</u>		0.18	\$40.50	<u>PDF</u>			18"				

Technical Specifications

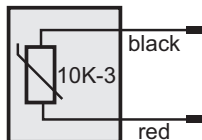
Sensing Element	Epoxy Coated NTC Thermistor
No-Load Resistance	10kΩ at 25°C
Accuracy	± 0.2°C from 0°C to 70°C
Probe	ø1/4", 316 stainless steel sheath
Minimum Installation Depth	3" (76 mm)
Sensing Element Response Time	Approximately 1 second*
Wiring	Attached 2-pin standard size plug (mating jack sold separately, see accessories)

* 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



10K-3 Thermistor Probes with Attached Plug - Accessories

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
<u>NTC-SJ</u>	ProSense 2-pin thermistor connector, standard round pin jack, 400 deg F (200 deg C), glass filled thermoplastic body, white, copper pins, 32 AWG to 14 AWG wire size range.	1	\$6.75
<u>WCB-S</u>	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$12.00

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

* Working pressure of compression fitting should not exceed 500 psi. However, we recommend any pressure application use a thermowell.

[CF14-50N](#)

[CF14-25N](#)

[CF14-125N](#)



Stainless Steel Compression Fittings

[BCF14-50N](#)

[BCF14-25N](#)

[BCF14-125N](#)

[NTC-SJ](#)



Brass Compression Fittings