

# prosense® 10K-3 Thermistor Probes with Lead Wire Transition

**NTC10K3-T06L06-02**



## Overview

- NTC 10k Thermistor Type 3
- 1/4" diameter, 316 stainless steel sheath to protect against harsh environments
- 6", 12", or 18" probe length
- 4 point crimp and sleeve transition to PVC cable
- 6-foot cable with 2 inches of 24AWG wire pre-stripped 1/4 inch and tinned
- Made in the USA



| 10K-3 Thermistor Probes with Lead Wire Transition |         |         |         |                            |                                |                       |              |                                  |                                                                                 |
|---------------------------------------------------|---------|---------|---------|----------------------------|--------------------------------|-----------------------|--------------|----------------------------------|---------------------------------------------------------------------------------|
| Part Number                                       | Pcs/Pkg | Wt (lb) | Price   | Drawing Link               | Type                           | Probe Diameter (O.D.) | Probe Length | Temperature Sensing Range        | Mounting                                                                        |
| <a href="#"><u>NTC10K3-T06L06-02</u></a>          | 1       | 0.11    | \$33.50 | <a href="#"><u>PDF</u></a> | 10K-AN<br>Type 3<br>Thermistor | 1/4"                  | 6"           | -40 to 125° C<br>(-40 to 257° F) | ProSense<br>compression fitting<br>(see accessories<br>purchased<br>separately) |
| <a href="#"><u>NTC10K3-T12L06-02</u></a>          |         | 0.16    | \$37.00 | <a href="#"><u>PDF</u></a> |                                |                       | 12"          |                                  |                                                                                 |
| <a href="#"><u>NTC10K3-T18L06-02</u></a>          |         | 0.20    | \$40.50 | <a href="#"><u>PDF</u></a> |                                |                       | 18"          |                                  |                                                                                 |

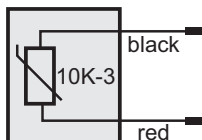
| Technical Specifications             |                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------|
| <b>Sensing Element</b>               | Epoxy Coated NTC 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>Sensing Element Response Time</b> | Approximately 1 second*                                                         |
| <b>Wiring</b>                        | 72 inches of PVC cable 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 Probes with Lead Wire Transition - Accessories

## Accessories

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

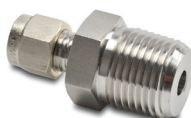
See end of section for full listing of accessories and dimension information.

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

[CFTF-14](#)



[CF14-50N](#)



[CF14-25N](#)



[CF14-125N](#)



*Stainless Steel Compression Fittings*

[BCF14-50N](#)



[BCF14-25N](#)



[BCF14-125N](#)



*Brass Compression Fittings*