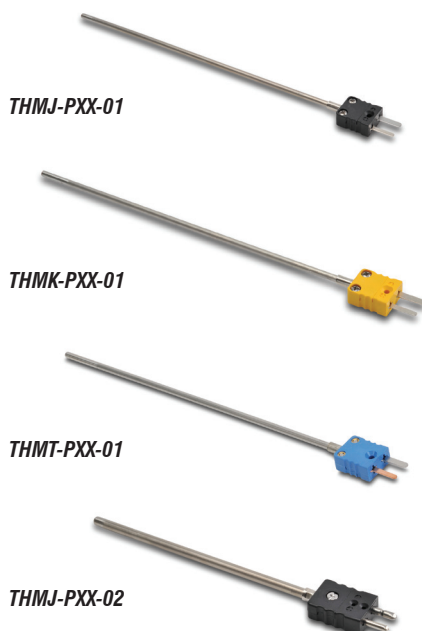


# proSense® Thermocouple Probes with Attached Plug



## Overview

- Type J, K, or T thermocouple elements to meet many temperature sensing applications
- 1/8" or 1/4" diameter, 316 SS sheath to protect against harsh environments
- Magnesium Oxide (MgO) insulation provides vibration dampening and protection against thermal shock
- 6", 12" or 18" probe length
- Bendable probe to adapt to installation requirements
- Attached plug for quick and easy wiring connections
- Made in the USA

Probe shown with optional CF18-BC adjustable bayonet cap compression mounting fitting



| Thermocouple Probes with Attached Plug - Types J, K & T |         |         |         |      |                       |              |                                                                   |                                                                           |                    |                                                    |
|---------------------------------------------------------|---------|---------|---------|------|-----------------------|--------------|-------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------|----------------------------------------------------|
| Part Number                                             | Pcs/Pkg | Wt (lb) | Price   | Type | Probe Diameter (O.D.) | Probe Length | Temperature Sensing Range                                         | Mounting                                                                  | Attached Plug Size | Mating Jack (see accessories-purchased separately) |
| <a href="#">THMJ-P06-01</a>                             | 1       | 0.2     | \$24.50 | J    | 1/8"                  | 6"           | 0 to 521°C<br>(32 to 970°F), plug rated to<br>400 °F (204 °C)     | ProSense<br>compression fitting<br>(see accessories purchased separately) | Miniature          | THMJ-MJ                                            |
| <a href="#">THMJ-P12-01</a>                             |         |         | \$25.50 | J    |                       | 12"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMJ-P18-01</a>                             |         |         | \$29.00 | J    |                       | 18"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMK-P06-01</a>                             |         |         | \$24.50 | K    |                       | 6"           | 0 to 927°C<br>(32 to 1700°F) plug rated to<br>400 °F (204 °C)     |                                                                           |                    | THMK-MJ                                            |
| <a href="#">THMK-P12-01</a>                             |         |         | \$25.50 | K    |                       | 12"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMK-P18-01</a>                             |         |         | \$29.00 | K    |                       | 18"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMT-P06-01</a>                             |         |         | \$23.50 | T    | 1/8"                  | 6"           | -200 to 371°C<br>(-328 to 700°F) plug rated to<br>400 °F (204 °C) |                                                                           | THMT-MJ            |                                                    |
| <a href="#">THMT-P12-01</a>                             |         |         | \$24.50 | T    |                       | 12"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMT-P18-01</a>                             |         |         | \$27.50 | T    |                       | 18"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMJ-P06-02</a>                             |         |         | \$29.50 | J    | 1/4"                  | 6"           | 0 to 720°C<br>(32 to 1330°F) plug rated to<br>400 °F (204 °C)     |                                                                           | Standard           | THMJ-SJ                                            |
| <a href="#">THMJ-P12-02</a>                             |         |         | \$32.00 | J    |                       | 12"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMJ-P18-02</a>                             |         |         | \$38.00 | J    |                       | 18"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMK-P06-02</a>                             |         |         | \$29.50 | K    |                       | 6"           | 0 to 927°C<br>(32 to 1700°F) plug rated to<br>400 °F (204 °C)     |                                                                           |                    | THMK-SJ                                            |
| <a href="#">THMK-P12-02</a>                             |         |         | \$32.00 | K    |                       | 12"          |                                                                   |                                                                           |                    |                                                    |
| <a href="#">THMK-P18-02</a>                             |         |         | \$38.00 | K    |                       | 18"          |                                                                   |                                                                           |                    |                                                    |

## Technical Specifications

|                                    |                                                                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Junction Type                      | Ungrounded                                                                                                                                                        |
| ASTM E230 Standard Limits of Error | Types J, K: $\pm 2.2^{\circ}\text{C}$ ( $\pm 4.0^{\circ}\text{F}$ ); Type T: $\pm 1^{\circ}\text{C}$ ( $\pm 1.8^{\circ}\text{F}$ ); or 0.75% whichever is greater |
| Probe                              | $\varnothing 1/8"$ or $\varnothing 1/4"$ , 316 stainless steel sheath, single thermocouple element is embedded in MgO powder                                      |
| Probe Minimum Bend Radius          | 2 x sheath diameter                                                                                                                                               |
| Minimum Installation Depth         | 1/8" O.D.: 1.75" (44.5 mm), 1/4" O.D.: 3" (76 mm)                                                                                                                 |
| Response Time                      | 2.9 seconds, 63.2% of a 25-77°C step change per method ASTM E839                                                                                                  |
| Wiring                             | Attached plug, mating jack sold separately. See accessories.                                                                                                      |



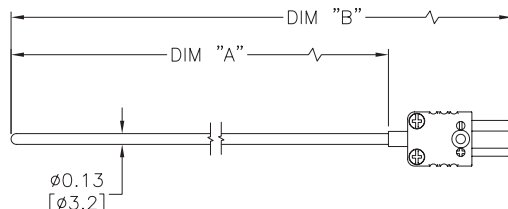
Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

# prosense® Thermocouple Probes with Attached Plug

## Dimensions

inches [mm]

THMJ, K & T - PXX-01



| TABLE A     |              |              |
|-------------|--------------|--------------|
| PART NUMBER | DIM "A"      | DIM "B"      |
| THMJ-P06-01 | 6.00[152.4]  | 7.61[193.3]  |
| THMJ-P12-01 | 12.00[304.8] | 13.61[345.7] |
| THMJ-P18-01 | 18.00[457.2] | 19.61[498.1] |
| THMK-P06-01 | 6.00[152.4]  | 7.61[193.3]  |
| THMK-P12-01 | 12.00[304.8] | 13.61[345.7] |
| THMK-P18-01 | 18.00[457.2] | 19.61[498.1] |
| THMT-P06-01 | 6.00[152.4]  | 7.61[193.3]  |
| THMT-P12-01 | 12.00[304.8] | 13.61[345.7] |
| THMT-P18-01 | 18.00[457.2] | 19.61[498.1] |

## Wiring Information

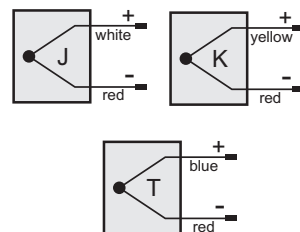
Type J: black plug

Type K: yellow plug

Type T: blue plug

Pins labeled + and -

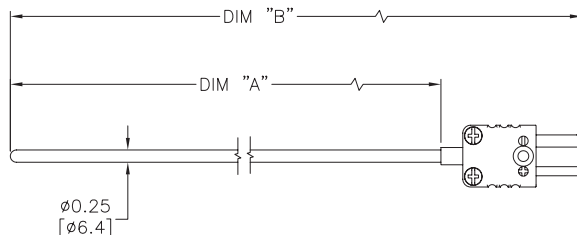
- Must use with mating jack and thermocouple extension lead wire
- Observe polarity when making connections
- Do not use standard wire nuts



## Dimensions

inches [mm]

THMJ & K - PXX-02



| TABLE A     |              |               |
|-------------|--------------|---------------|
| PART NUMBER | DIM "A"      | DIM "B"       |
| THMJ-P06-02 | 6.00[152.4]  | 8.36[212.3]   |
| THMJ-P12-02 | 12.00[304.8] | 14.36[364.7]  |
| THMJ-P18-02 | 18.00[457.2] | 20.39[517.14] |
| THMK-P06-02 | 6.00[152.4]  | 8.36[212.3]   |
| THMK-P12-02 | 12.00[304.8] | 14.36[364.7]  |
| THMK-P18-02 | 18.00[457.2] | 20.39[517.14] |

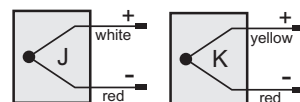
## Wiring Information

Type J: black plug

Type K: yellow plug

Pins labeled + and -

- Must use with mating jack and thermocouple extension lead wire
- Observe polarity when making connections
- Do not use standard wire nuts



# prosense® Thermocouple Probes with Attached Plug - Accessories

## Accessories

| Part No.                          | Description                                                                                                                                                                                                        | Pcs/Pkg | Price   |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| <a href="#"><u>BCF18-125N</u></a> | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/8 inch NPT male thread                                                                                                                     | 1       | \$3.25  |
| <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>BCF18-25N</u></a>  | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/4 inch NPT male thread                                                                                                                     | 1       | \$4.25  |
| <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>BCF18-50N</u></a>  | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/2 inch NPT male thread                                                                                                                     | 1       | \$6.00  |
| <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>CF18-125N</u></a>  | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/8 inch NPT male thread                                                                                                       | 1       | \$8.00  |
| <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>CF18-25N</u></a>   | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/4 inch NPT male thread                                                                                                       | 1       | \$9.25  |
| <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>CF18-50N</u></a>   | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/2 inch NPT male thread                                                                                                       | 1       | \$13.50 |
| <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-18</u></a>    | Teflon ferrule for brass or stainless steel compression fittings and 1/8 inch diameter temperature probes                                                                                                          | 5       | \$7.25  |
| <a href="#"><u>CFTF-14</u></a>    | Teflon ferrule for brass or stainless steel compression fittings and 1/4 inch diameter temperature probes                                                                                                          | 5       | \$7.75  |
| <a href="#"><u>CF18-BC</u></a>    | Adjustable bayonet cap compression fitting for 1/8 inch diameter probe sheaths                                                                                                                                     | 1       | \$10.00 |
| <a href="#"><u>THMJ-SJ</u></a>    | Thermocouple connector, Type J, standard round pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 14 AWG maximum (2.0 mm) wire size        | 1       | \$5.75  |
| <a href="#"><u>THMK-SJ</u></a>    | Thermocouple connector, Type K, standard round pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 14 AWG maximum (2.0 mm) wire size       | 1       | \$5.50  |
| <a href="#"><u>THMT-SJ</u></a>    | Thermocouple connector, Type T, standard round pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic blue body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size         | 1       | \$6.25  |
| <a href="#"><u>THMJ-MJ</u></a>    | Thermocouple connector, Type J, miniature flat pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 20 AWG maximum (0.8 mm) wire size        | 1       | \$4.25  |
| <a href="#"><u>THMK-MJ</u></a>    | Thermocouple connector, Type K, miniature flat pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 20 AWG maximum (0.8 mm) wire size       | 1       | \$4.25  |
| <a href="#"><u>THMT-MJ</u></a>    | Thermocouple connector, Type T, miniature flat pin jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic blue body, thermocouple material pins, 20 AWG (0.8 mm) maximum wire size         | 1       | \$4.50  |
| <a href="#"><u>THMJ-SPJ</u></a>   | Thermocouple connector, Type J, standard round pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size  | 1       | \$11.00 |
| <a href="#"><u>THMK-SPJ</u></a>   | Thermocouple connector, Type K, standard round pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size | 1       | \$10.50 |
| <a href="#"><u>THMT-SPJ</u></a>   | Thermocouple connector, Type T, standard round pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic blue body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size   | 1       | \$10.50 |
| <a href="#"><u>THMJ-MPJ</u></a>   | Thermocouple connector, Type J, miniature flat pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size  | 1       | \$8.25  |
| <a href="#"><u>THMK-MPJ</u></a>   | Thermocouple connector, Type K, miniature flat pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size | 1       | \$9.00  |
| <a href="#"><u>THMT-MPJ</u></a>   | Thermocouple connector, Type T, miniature flat pin panel jack, maximum continuous temperature 400°F (200°C), glass filled thermoplastic blue body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size   | 1       | \$9.75  |
| <a href="#"><u>WCB-S</u></a>      | Wire / cable clamp bracket for use with standard thermocouple and RTD connectors                                                                                                                                   | 4       | \$12.00 |
| <a href="#"><u>WCB-M</u></a>      | Wire / cable clamp bracket for use with miniature thermocouple connectors                                                                                                                                          | 4       | \$12.00 |

Note: Thermocouple extension lead wire available at [www.automationdirect.com](http://www.automationdirect.com).

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

## Thermocouple Connectors

### [THMJ-SJ](#)



### [THMJ-SP](#)

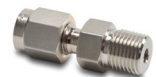


### [THMJ-SPJ](#)



## S.S. Compression Fittings

### [CF18-125N](#)



### [CF14-125N](#)



### [CF14-25N](#)



### [CFTF-14](#)



# pro<sup>ense</sup>® Compression Mounting Fittings for Temperature Probes

| Compression Mounting Fittings for Temperature Probes |                                                                                                              |             |        |         |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------|--------|---------|
| Part Number                                          | Description                                                                                                  | Pcs/<br>Pkg | Wt(lb) | Price   |
| <a href="#"><u>BCF18-125N</u></a>                    | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/8 inch NPT male thread               | 1           | 0.5    | \$3.25  |
| <a href="#"><u>BCF14-125N</u></a>                    | Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/8 inch NPT male thread               | 1           | 0.5    | \$3.25  |
| <a href="#"><u>BCF18-25N</u></a>                     | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/4 inch NPT male thread               | 1           | 0.5    | \$4.25  |
| <a href="#"><u>BCF14-25N</u></a>                     | Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/4 inch NPT male thread               | 1           | 0.5    | \$4.25  |
| <a href="#"><u>BCF18-50N</u></a>                     | Compression fitting, brass, for 1/8 inch diameter temperature probes, 1/2 inch NPT male thread               | 1           | 0.5    | \$6.00  |
| <a href="#"><u>BCF14-50N</u></a>                     | Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/2 inch NPT male thread               | 1           | 0.5    | \$6.50  |
| <a href="#"><u>CF18-125N</u></a>                     | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/8 inch NPT male thread | 1           | 0.5    | \$8.00  |
| <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           | 0.5    | \$8.00  |
| <a href="#"><u>CF18-25N</u></a>                      | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/4 inch NPT male thread | 1           | 0.5    | \$9.25  |
| <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           | 0.5    | \$9.25  |
| <a href="#"><u>CF18-50N</u></a>                      | Compression fitting, 316 stainless steel, for 1/8 inch diameter temperature probes, 1/2 inch NPT male thread | 1           | 0.5    | \$13.50 |
| <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           | 0.5    | \$14.00 |
| <a href="#"><u>CFTF-18**</u></a>                     | Teflon™ ferrule for brass or stainless steel compression fittings and 1/8 diameter temperature probes        | 5           | 0.5    | \$7.25  |
| <a href="#"><u>CFTF-14**</u></a>                     | Teflon ferrule for brass or stainless steel compression fittings and 1/4 diameter temperature probes         | 5           | 0.5    | \$7.75  |
| <a href="#"><u>CF06-25N</u></a>                      | 1/4 NPT stainless steel compression fitting for 0.24 inch (6 mm) diameter RTD probe with M12 connector.      | 1           | 0.18   | \$30.00 |
| <a href="#"><u>CF10-50N</u></a>                      | 1/2 NPT stainless steel compression fitting for 10 mm (0.4 inch) diameter RTD probe with M12 connector.      | 1           | 0.20   | \$31.00 |
| <a href="#"><u>CF18-BC</u></a>                       | Bayonet compression fitting, for 1/8" diameter probe sheath sensors                                          | 1           | 0.1    | \$10.00 |
| <a href="#"><u>BB125N-50N</u></a>                    | Reducing bushing, brass, 1/2 MNPT x 1/8 FNPT, hex head                                                       | 1           | 0.1    | \$5.75  |



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

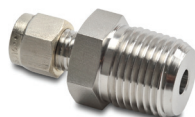
\* Working pressure of compression fitting should not exceed 500 psi. However we recommend any pressure application use a thermowell

\*\* Teflon has a max working temperature range of -400 to 500°F (-240 to 260°C)

[CF14-125N](#)



[CF14-50N](#)



[CF14-25N](#)



[CF18-BC](#)



[CF06-25N](#)



[CF10-50N](#)



[BCF18-125N](#)



[BCF18-25N](#)



[BCF18-50N](#)



[BB125N-50N](#)



[CFTF-14](#)



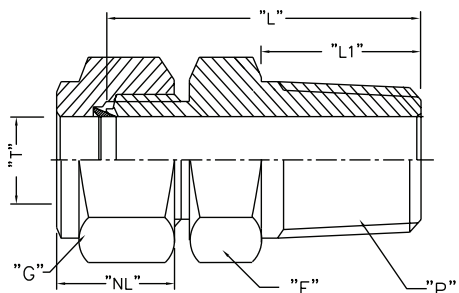
[CFTF-18](#)



# pro<sup>sense</sup>® Compression Mounting Fittings for Temperature Probes

**BCF14-125N****BCF14-25N****BCF14-50N****CF18-25N****CF18-50N****CF18-125N**

## Dimensions



*Note: All threaded connections should be hand tightened and then turned 1 to 2 full turns for proper sealing.*

*Actual torque required for a proper seal of NPT threads is influenced by tolerance, sealant, lubricant, etc.*

| ProSense Compression Fittings |             |                        |               |             |                  |                      |                |               |                   |
|-------------------------------|-------------|------------------------|---------------|-------------|------------------|----------------------|----------------|---------------|-------------------|
| Part No.                      | Weight (lb) | Description            | "T" Tube O.D. | "P" NPT(M)  | "L" Body Length* | "L1" Thread Length** | "F" Body Hex** | "G" Nut Hex** | "NL" Nut Length** |
| <b>BCF18-125N/CF18-125N</b>   | 0.5         | 1/8" OD x 1/8" NPT(M)  | 0.128/0.132   | 1/8" NPT(M) | 0.909"           | 0.393"               | 0.5"           | 0.433"        | 0.492"            |
| <b>BCF14-125N/CF14-125N</b>   | 0.5         | 1/4" OD x 1/8" NPT(M)  | 0.253/0.257   | 1/8" NPT(M) | 1.0"             | 0.393"               | 0.5"           | 0.559"        | 0.5"              |
| <b>BCF18-25N/CF18-25N</b>     | 0.5         | 1/8" OD x 1/4" NPT(M)  | 0.128/0.132   | 1/4" NPT(M) | 1.114"           | 0.551"               | 0.551"         | 0.433"        | 0.492"            |
| <b>BCF14-25N/CF14-25N</b>     | 0.5         | 1/4" OD x 1/4" NPT(M)  | 0.253/0.257   | 1/4" NPT(M) | 1.188"           | 0.551"               | 0.551"         | 0.559"        | 0.5"              |
| <b>BCF18-50N/CF18-50N</b>     | 0.5         | 1/8" OD x 1/2" NPT(M)  | 0.128/0.132   | 1/2" NPT(M) | 1.377"           | 0.748"               | 0.866"         | 0.433"        | 0.492"            |
| <b>BCF14-50N/CF14-50N</b>     | 0.5         | 1/4" OD x 1/2" NPT(M)  | 0.253/0.257   | 1/2" NPT(M) | 1.437"           | 0.748"               | 0.866"         | 0.559"        | 0.5"              |
| <b>CF06-25N</b>               | 0.18        | 6 mm OD x 1/4" NPT(M)  | 0.236/0.240   | 1/4" NPT(M) | 1.174"           | 0.59"                | 0.67"          | 0.55"         | 0.587"            |
| <b>CF10-50N</b>               | 0.20        | 10 mm OD x 1/2" NPT(M) | 0.394/0.399   | 1/2" NPT(M) | 1.458"           | 0.55"                | 1.06"          | 0.75"         | 0.608"            |

*Note: All dimensions are in inches*

\* w 0.07

\*\* w 0.03

*Note: Once the compression fitting has been fully tightened on the probe, the ferrule will be locked onto the probe and cannot be removed or reused.*

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



Scan the QR Code or click to view the CF06 & CF10 Compression Fitting Installation Instructions



# Bayonet Mounting Adapter for Temperature Sensors

| Bayonet Mounting Adapter for Temperature Sensors |                                                                                                        |                       |             |        |         |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-------------|--------|---------|
| Part Number                                      | Description                                                                                            | Material              | Pcs/<br>Pkg | Wt(lb) | Price   |
| <a href="#"><u>BA-078</u></a>                    | Bayonet adapter, 7/8 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT   | Stainless Steel (304) | 1           | 0.5    | \$1.75  |
| <a href="#"><u>BA-100</u></a>                    | Bayonet adapter, 1 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT     |                       | 1           | 0.5    | \$1.75  |
| <a href="#"><u>BA-114</u></a>                    | Bayonet adapter, 1-1/4 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT |                       | 1           | 0.5    | \$2.25  |
| <a href="#"><u>BA-112</u></a>                    | Bayonet adapter, 1-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT |                       | 1           | 0.5    | \$2.25  |
| <a href="#"><u>BA-200</u></a>                    | Bayonet adapter, 2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT     |                       | 1           | 0.5    | \$2.50  |
| <a href="#"><u>BA-212</u></a>                    | Bayonet adapter, 2-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT |                       | 1           | 0.5    | \$2.75  |
| <a href="#"><u>BA-300</u></a>                    | Bayonet adapter, 3 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT     |                       | 1           | 0.5    | \$3.00  |
| <a href="#"><u>BA-312</u></a>                    | Bayonet adapter, 3-1/2 inch long, 7/16 inch outside diameter, 9/32 inch inside diameter, 1/8 inch MNPT |                       | 1           | 0.5    | \$3.50  |
| <a href="#"><u>CF18-BC</u></a>                   | Adjustable bayonet compression fitting, for 1/8" diameter probe sheath sensors                         | Brass                 | 1           | 0.1    | \$10.00 |
| <a href="#"><u>BB125N-50N</u></a>                | Reducing bushing, 1/2 MNPT x 1/8 FNPT, hex head                                                        |                       | 1           | 0.1    | \$5.75  |



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

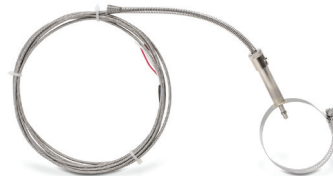
[BA-078](#)[BA-100](#)[BA-114](#)[CF18-BC](#)[BA-300](#)[BA-112](#)[BB125N-50N](#)[BA-312](#)[BA-200](#)[BA-212](#)

# prosense® Pipe Clamp Adapters

**PCA-300**

## Overview

- For use with ProSense adjustable immersion thermocouple and RTD sensors
- Available in adjustable diameters from 11/16 to 7 inches
- Provides an easy means of sensing temperature on the outside of a pipe



Shown with optional adjustable immersion sensor

## Pipe Clamp Adapters for ProSense Adjustable Immersion Sensors

| Part Number    | Description                                                                                                                                                                                                               | Pcs/<br>Pkg | Wt(lb) | Price   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|---------|
| <b>PCA-125</b> | ProSense pipe clamp adapter, 11/16 to 1-1/4 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors.      | 1           | 0.1    | \$17.50 |
| <b>PCA-200</b> | ProSense pipe clamp adapter with 1-1/16 to 2 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors.     | 1           | 0.1    | \$18.00 |
| <b>PCA-300</b> | ProSense pipe clamp adapter with 2-1/16 to 3 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors.     | 1           | 0.1    | \$20.00 |
| <b>PCA-425</b> | ProSense pipe clamp adapter with 3-5/16 to 4-1/4 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors. | 1           | 0.1    | \$22.50 |
| <b>PCA-500</b> | ProSense pipe clamp adapter with 4-1/8 to 7 inch adjustable diameter, 2-inch attached bayonet adapter with 7/16 inch outside diameter and 9/32 inch inside diameter. Use with Prosense adjustable immersion sensors.      | 1           | 0.1    | \$21.00 |

## Dimensions

inches [mm]

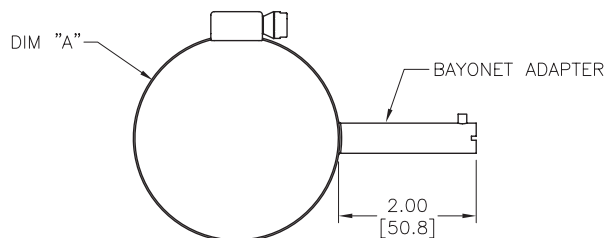


TABLE A

| PART NUMBER | DIM "A"                   | FITS PIPE SIZES |
|-------------|---------------------------|-----------------|
| PCA-125     | ø0.68–1.25 [ø17.2–31.7]   | 1/2 TO 3/4 NPS  |
| PCA-200     | ø1.06–2.00 [ø26.9–50.8]   | 1 TO 1-1/2 NPS  |
| PCA-300     | ø2.06–3.00 [ø52.3–76.2]   | 2 TO 2-1/2 NPS  |
| PCA-425     | ø3.31–4.25 [ø84.1–108.0]  | 3 TO 3-1/2 NPS  |
| PCA-500     | ø4.12–7.00 [ø104.6–177.8] | 4 TO 6 NPS      |

# prosense® Thermocouple, RTD, and Thermistor Connectors

## Overview

- Glass-filled high quality thermoplastic body with original thermocouple material pins and spring-loaded inserts
- Polarized pins
- Molded barriers prevent short circuit
- Captive central cover screw for easy assembly
- Easy wire connection pressure plate
- construction
- Stainless steel screws with combination head (Slotted and Phillips)
- 3-pin standard connectors have a third pin for ground or continuous shield, or for 3-wire RTDs

| Thermocouple, RTD, and Thermistor Connectors |          |        |         |             |                                   |                                 |            |                                                |                          |
|----------------------------------------------|----------|--------|---------|-------------|-----------------------------------|---------------------------------|------------|------------------------------------------------|--------------------------|
| Part Number                                  | Pcs/ Pkg | Wt(lb) | Price   | Sensor Type | Connector Type                    | Temperature Rating              | Body Color | Wire Size                                      | Wire Cable Clamp Bracket |
| <a href="#"><u>THMJ-SP</u></a>               | 1        | 0.5    | \$4.50  | J           | Standard round pin plug           | Max continuous<br>400°F (200°C) | Black      | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMJ-SJ</u></a>               | 1        | 0.5    | \$5.75  |             | Standard round pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-SPJ</u></a>              | 1        | 0.5    | \$11.00 |             | Standard round direct mount jack  |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-MP</u></a>               | 1        | 0.5    | \$3.75  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMJ-MJ</u></a>               | 1        | 0.5    | \$4.25  |             | Miniature flat pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-MPJ</u></a>              | 1        | 0.5    | \$8.25  |             | Miniature round direct mount jack |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-SP</u></a>               | 1        | 0.5    | \$4.50  | K           | Standard round pin plug           |                                 | Yellow     | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMK-SJ</u></a>               | 1        | 0.5    | \$5.50  |             | Standard round pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-SPJ</u></a>              | 1        | 0.5    | \$10.50 |             | Standard round direct mount jack  |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-MP</u></a>               | 1        | 0.5    | \$4.00  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMK-MJ</u></a>               | 1        | 0.5    | \$4.25  |             | Miniature flat pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-MPJ</u></a>              | 1        | 0.5    | \$9.00  |             | Miniature round direct mount jack |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-HSP</u></a>              | 1        | 0.5    | \$14.00 |             | Standard hi-temp round pin plug   | Max continuous<br>662°F (350°C) | Brown      | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMK-HSJ</u></a>              | 1        | 0.5    | \$16.50 |             | Standard hi-temp round pin jack   |                                 |            |                                                |                          |
| <a href="#"><u>THMT-SP</u></a>               | 1        | 0.5    | \$4.75  | T           | Standard round pin plug           | Max continuous<br>400°F (200°C) | Blue       | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | —                        |
| <a href="#"><u>THMT-SJ</u></a>               | 1        | 0.5    | \$6.25  |             | Standard round pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>THMT-SPJ</u></a>              | 1        | 0.5    | \$10.50 |             | Standard round direct mount jack  |                                 |            |                                                |                          |
| <a href="#"><u>THMT-MP</u></a>               | 1        | 0.5    | \$4.00  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMT-MJ</u></a>               | 1        | 0.5    | \$4.50  |             | Miniature flat pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>THMT-MPJ</u></a>              | 1        | 0.5    | \$9.75  |             | Miniature round direct mount jack |                                 |            |                                                |                          |
| <a href="#"><u>RTD-SP</u></a>                | 1        | 0.5    | \$9.25  | RTD         | Standard round pin plug           |                                 | White      | 32 AWG (0.2 mm) to 14 AWG maximum (2.0 mm)     | WCB-S                    |
| <a href="#"><u>RTD-SJ</u></a>                | 1        | 0.5    | \$12.00 |             | Standard round pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>NTC-SJ</u></a>                | 1        | 0.5    | \$6.75  | Thermistor  | Standard round pin jack           |                                 |            |                                                |                          |

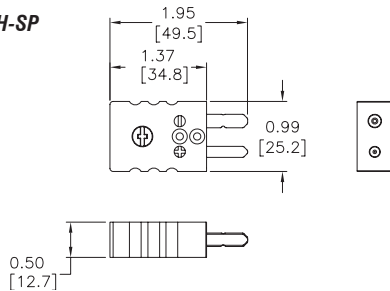
[THMT-SP](#)[THMT-SJ](#)[THMK-SP](#)[THMK-SJ](#)[THMK-MP](#)[THMJ-MJ](#)[THMT-SPJ](#)[THMT-MPJ](#)[RTD-SP](#)[RTD-SJ](#)[THMK-HSP](#)[THMK-HSJ](#)[NTC-SJ](#)

# prosense® Thermocouple, RTD, and Thermistor Connectors

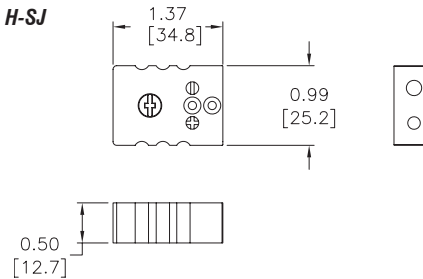
## Dimensions

inches [mm]

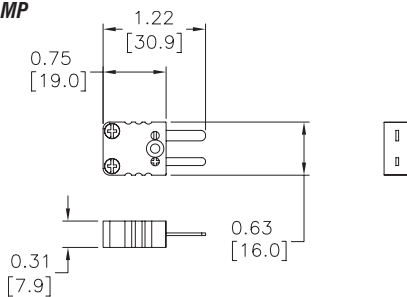
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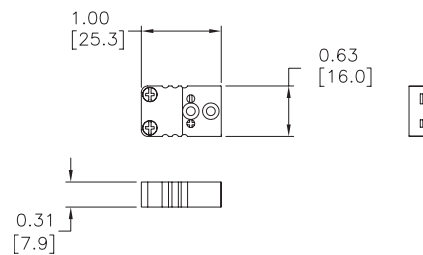
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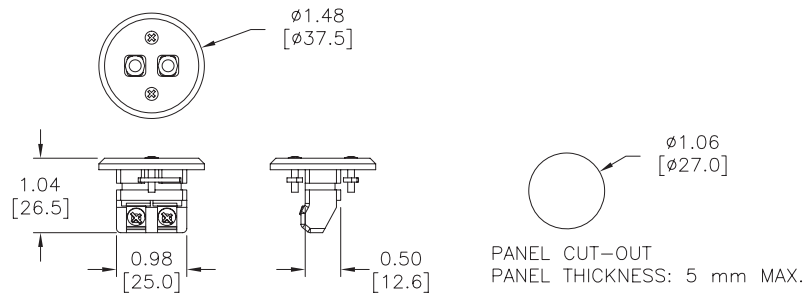
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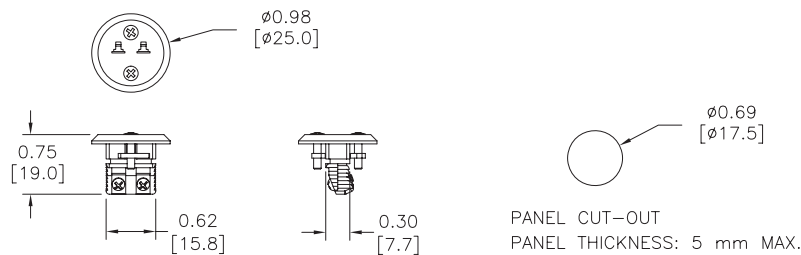
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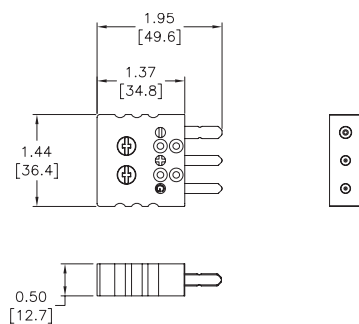
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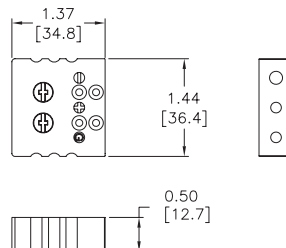
### THMJ, K, & T-MPJ



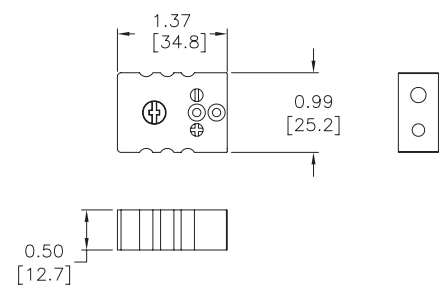
### RTD-SP



### RTD-SJ



### NTC-SJ





# Thermocouple and RTD Connectors

## WCB-S



## WCB-M



## WCB-S Application



## WCB-M Application

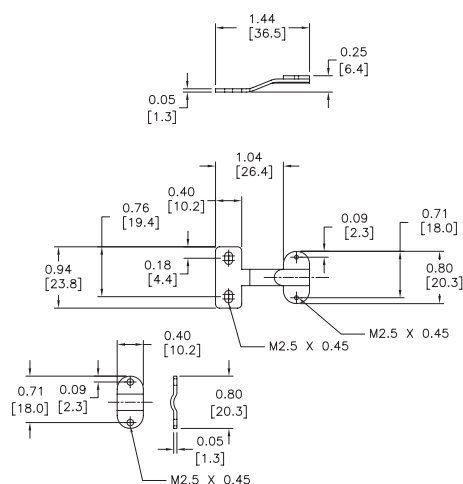


| Thermocouple and RTD Connectors Accessories |          |        |         |                                                                                   |
|---------------------------------------------|----------|--------|---------|-----------------------------------------------------------------------------------|
| Part Number                                 | Pcs/ Pkg | Wt(lb) | Price   | Description                                                                       |
| <u>WCB-S</u>                                | 10       | 0.5    | \$12.00 | Wire / cable clamp bracket for use with standard thermocouple and RTD connectors. |
| <u>WCB-M</u>                                | 10       | 0.5    | \$12.00 | Wire / cable clamp bracket for use with miniature thermocouple connectors.        |

## Dimensions

inches [mm]

### WCB-S



### WCB-M

