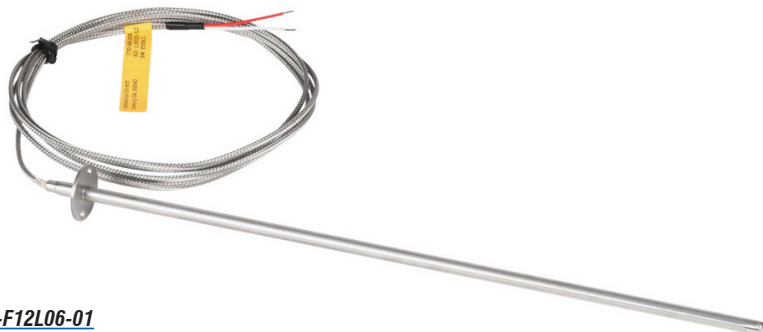


# pro<sup>sense</sup>® Thermocouple Probes with Flange Mount

**THMJ-F12L06-01**

## Overview

- Ideal for use with ovens, freezers, ducts, or anywhere through the wall temperature sensing is required.
- Type J or K thermocouple elements to meet many temperature sensing applications
- 1/4" diameter, 316 SS sheath to protect against harsh environments
- 6", 12", or 18" probe lengths
- Mounting is accomplished using the conveniently attached round mounting flange
- 6-foot lead wires with stainless steel overbraid
- Made in the USA

## Thermocouple Probes with Flange Mount

Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Probe Diameter (O.D)	Probe Length	Probe Material	Temperature Sensing Range	Mounting
<a href="#"><u>THMJ-F06L06-01</u></a>	1	0.44	\$47.50	J	1/4"	6"	316 stainless steel	-18 to 482°C (0 to 900°F)	1" diameter 1/16" thick 304 stainless steel flange (2x - ø0.144" mounting holes 0.75" spacing)
<a href="#"><u>THMJ-F12L06-01</u></a>	1	0.44	\$49.00			12"			
<a href="#"><u>THMJ-F18L06-01</u></a>	1	0.44	\$51.00			18"			
<a href="#"><u>THMK-F06L06-01</u></a>	1	0.44	\$50.00	K		6"			
<a href="#"><u>THMK-F12L06-01</u></a>	1	0.44	\$53.00			12"			
<a href="#"><u>THMK-F18L06-01</u></a>	1	0.44	\$53.00			18"			

## Technical Specifications

<b>Junction Type</b>	Ungrounded
<b>ASTM E230 Standard Limits of Error</b>	±2.2°C (±4.0°F) or 0.75%, whichever is greater
<b>Probe</b>	ø1/4", 316 stainless steel, single thermocouple element
<b>Minimum Installation Depth</b>	3" (76 mm)
<b>Probe Minimum Bend Radius</b>	Not bendable
<b>Response Time</b>	2.9 seconds, 63.2% of a 25-77°C step change per method ASTM E839
<b>Wiring</b>	6 foot stranded 20 AWG wire leads with stripped ends, fiberglass insulation and stainless steel overbraid



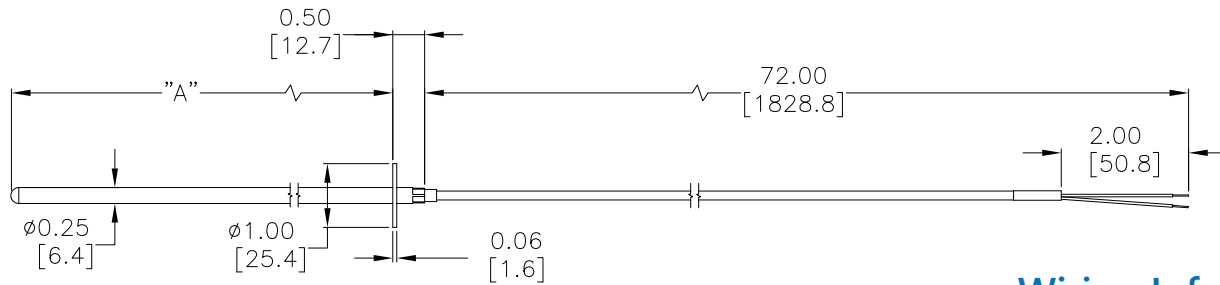
*Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.*

# proSense® Thermocouple Probes with Flange Mount

## Dimensions

inches [mm]

THMJ & K - FXXLXX-01

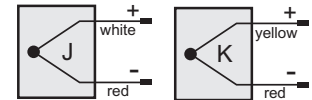


PART NUMBER	DIM "A"
THMJ-F06L06-01	6.00[152.4]
THMJ-F12L06-01	12.00[304.8]
THMJ-F18L06-01	18.00[457.2]
THMK-F06L06-01	6.00[152.4]
THMK-F12L06-01	12.00[304.8]
THMK-F18L06-01	18.00[457.2]

## Wiring Information

**Type J: (+) white (-) red**  
**Type K: (+) yellow (-) red**

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



# pro<sup>sense</sup>® Thermocouple Probes with Flange Mount - Accessories

## Accessories

Part No.	Description	Pcs/Pkg	Price
<b><u>THMJ-SP</u></b>	Thermocouple connector, Type J, standard round pin plug, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 14 AWG maximum (2.0 mm) wire size	1	\$4.00
<b><u>THMJ-SJ</u></b>	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	\$5.25
<b><u>THMK-SP</u></b>	Thermocouple connector, Type K, standard round pin plug, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 14 AWG maximum (2.0 mm) wire size	1	\$4.50
<b><u>THMK-SJ</u></b>	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
<b><u>THMK-HSP</u></b>	Thermocouple connector, Type K, high-temperature standard round pin plug, maximum continuous temperature 662°F (350°C), thermoset brown body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size	1	\$13.00
<b><u>THMK-HSJ</u></b>	Thermocouple connector, Type K, high-temperature standard round pin jack, maximum continuous temperature 662°F (350°C), thermoset brown body, thermocouple material pins, 14 AWG (2.0 mm) maximum wire size	1	\$15.00
<b><u>THMJ-MP</u></b>	Thermocouple connector, Type J, miniature flat pin plug, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 20 AWG maximum (0.8 mm) wire size	1	\$3.75
<b><u>THMJ-MJ</u></b>	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
<b><u>THMK-MP</u></b>	Thermocouple connector, Type K, miniature flat pin plug, maximum continuous temperature 400°F (200°C), glass filled thermoplastic yellow body, thermocouple material pins, 20 AWG maximum (0.8 mm) wire size	1	\$4.00
<b><u>THMK-MJ</u></b>	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
<b><u>WCB-S</u></b>	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$7.00
<b><u>WCB-M</u></b>	Wire / cable clamp bracket for use with miniature thermocouple connectors	4	\$6.75
<b><u>THMJ-SPJ</u></b>	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	\$10.00
<b><u>THMK-SPJ</u></b>	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	\$10.00
<b><u>THMJ-MPJ</u></b>	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	\$6.75
<b><u>THMK-MPJ</u></b>	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	\$7.50

**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.

**THMJ-SPJ****THMJ-SP****THMJ-SJ**