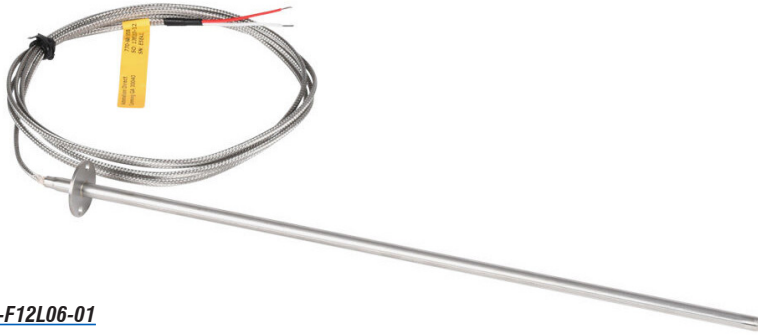


prosense® Thermocouple Probes with Flange Mount

**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
THMJ-F06L06-01	1	0.44	\$54kg:	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)
THMJ-F12L06-01	1	0.44	\$54kh:			12"			
THMJ-F18L06-01	1	0.44	\$-54ki:			18"			
THMK-F06L06-01	1	0.44	\$-54l0:	K		6"			
THMK-F12L06-01	1	0.44	\$-54l1:			12"			
THMK-F18L06-01	1	0.44	\$-54l2:			18"			

Technical Specifications

Junction Type	Ungrounded
ASTM E230 Standard Limits of Error	±2.2°C (±4.0°F) or 0.75%, whichever is greater
Probe	ø1/4", 316 stainless steel, single thermocouple element
Minimum Installation Depth	3" (76 mm)
Probe Minimum Bend Radius	Not bendable
Response Time	2.9 seconds, 63.2% of a 25-77°C step change per method ASTM E839
Wiring	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

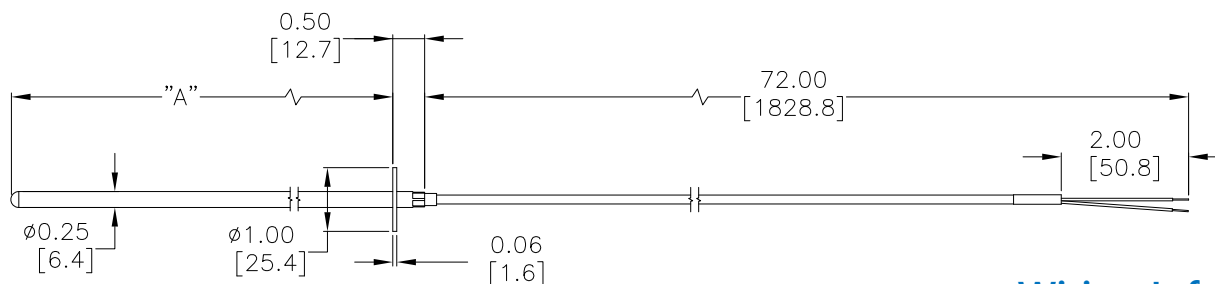
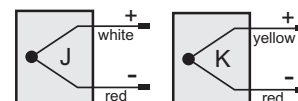


TABLE A	
PART NUMBER	DIM "A"
THMJ-F06L06-01	6.00[152.4]
THMJ-F12L06-01	12.00[304.8]
THMJ-F18L06-01	18.00[457.2]
THMK-F06L06-01	6.00[152.4]
THMK-F12L06-01	12.00[304.8]
THMK-F18L06-01	18.00[457.2]

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



prosense® Thermocouple Probes with Flange Mount - Accessories

Accessories

Part No.	Description	Pcs/Pkg	Price
<u>THMJ-SP</u>	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	\$-43i:
<u>THMJ-SJ</u>	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	\$43h:
<u>THMK-SP</u>	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	\$43s:
<u>THMK-SJ</u>	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	\$43q:
<u>THMK-HSP</u>	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	\$-043i:
<u>THMK-HSJ</u>	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	\$043k:
<u>THMJ-MP</u>	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	\$,43f:
<u>THMJ-MJ</u>	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	\$43e:
<u>THMK-MP</u>	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	\$43o:
<u>THMK-MJ</u>	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	\$43n:
<u>WCB-S</u>	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$05hp:
<u>WCB-M</u>	Wire / cable clamp bracket for use with miniature thermocouple connectors	4	\$05ho:
<u>THMJ-SPJ</u>	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	\$-043j:
<u>THMK-SPJ</u>	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	\$,043t:
<u>THMJ-MPJ</u>	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	\$43g:
<u>THMK-MPJ</u>	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	\$43p:

Note: Thermocouple extension lead wire available at www.automationdirect.com
See end of section for full listing of accessories and dimension information.

[THMJ-SPJ](#)[THMJ-SP](#)[THMJ-SJ](#)