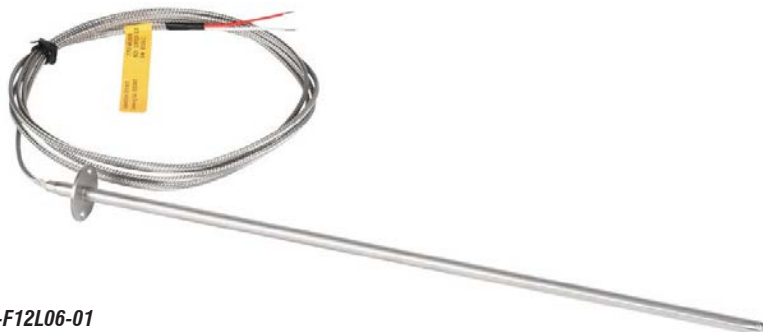


pro^{sense}® Thermocouple Probes with Flange Mount



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	\$45.75	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	\$46.75			12"			
THMJ-F18L06-01	1	0.44	\$48.00			18"			
THMK-F06L06-01	1	0.44	\$48.50	K		6"			
THMK-F12L06-01	1	0.44	\$50.00			12"			
THMK-F18L06-01	1	0.44	\$51.25			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

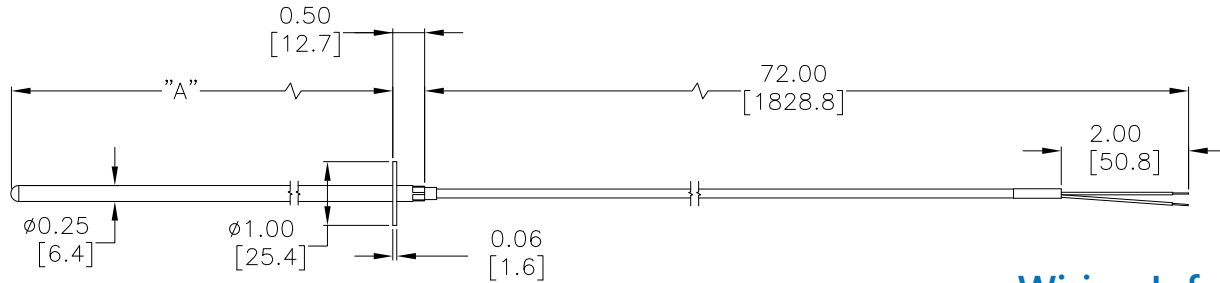


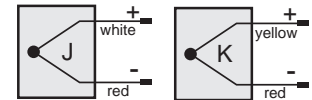
TABLE A

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
THMJ-SP	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	\$3.50
THMJ-SJ	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	\$4.50
THMK-SP	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	\$4.00
THMK-SJ	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	\$4.75
THMK-HSP	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	\$9.25
THMK-HSJ	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	\$11.00
THMJ-MP	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	\$3.25
THMJ-MJ	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	\$3.75
THMK-MP	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	\$3.50
THMK-MJ	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	\$3.75
WCB-S	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$5.50
WCB-M	Wire / cable clamp bracket for use with miniature thermocouple connectors	4	\$5.50
THMJ-SPJ	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	\$8.50
THMK-SPJ	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	\$8.25
THMJ-MPJ	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	\$5.50
THMK-MPJ	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	\$6.00

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**