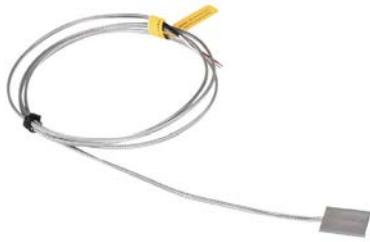


prosense® Thermocouple Spade Sensors

Overview

- Ideal for surface temperature measurement.
- Versions include a thermocouple sandwiched between two thin shims of stainless steel or a thermocouple sealed in epoxy between two layers of polyimide tape.
- Stainless steel version can be mounted using a worm drive hose clamp or by placing under heater bands.
- Polyimide versions are provided with an adhesive backing for easy attachment to many surfaces.
- These spades can be formed and secured to the outside of various size tubes, pipes, or nozzles.
- Type J or Type K thermocouples
- Grounded or ungrounded junctions
- 6-foot lead wires with stainless steel overbraid
- Made in the USA



THMJ-S01L06-01



THMJ-S02L06-01

Thermocouple Spade Sensors - Types J and K							
Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Junction Type	Spade Material	Temperature Sensing Range
THMJ-S01L06-01	1	0.25	\$26.00	J	Grounded	Stainless steel	-18 to 482°C (0 to 900°F)
THMJ-S02L06-01	1	0.25	\$27.75		Ungrounded	Polyimide w/ adhesive	-18 to 204°C (0 to 400°F)
THMK-S01L06-01	1	0.25	\$28.25	K	Grounded	Stainless steel	-18 to 482°C (0 to 900°F)
THMK-S02L06-01	1	0.25	\$30.25		Ungrounded	Polyimide w/ adhesive	-18 to 204°C (0 to 400°F)

Technical Specifications	
ASTM E230 Standard limits of Error	±2.2°C (±4.0°F) or 0.75%, whichever is greater
Response Time	2.9 seconds, 63.2% of a 25-77°C step change per method ASTM E839
Wiring	6 foot stranded (Stainless steel spade: 20 AWG / Polyimide spade: 24 AWG) wire leads with stripped ends, fiberglass insulation and stainless steel overbraid

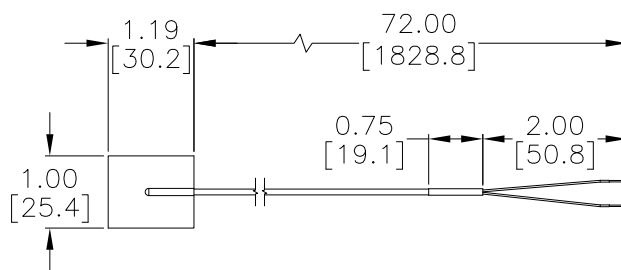


NOTE: CHECK THE CHEMICAL COMPATIBILITY OF THE SENSOR'S WETTED PARTS WITH THE MEDIUM TO BE MEASURED.

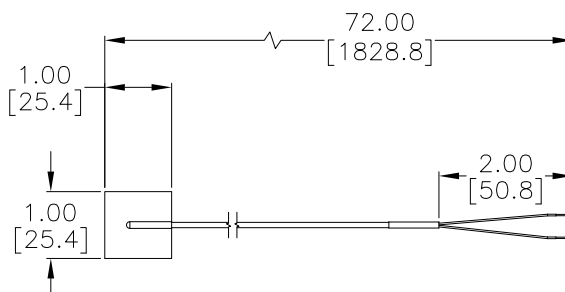
Dimensions

inches [mm]

THMJ & K - S01L06-01



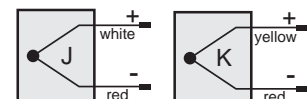
THMJ & K - S02L06-01



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^osense® Thermocouple Spade Sensors

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
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
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
WCB-M	Wire / cable clamp bracket for use with miniature thermocouple connectors	4	\$5.50
WCB-S	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$5.50

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

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

Thermocouple Connectors