

prosense® Thermocouple Bolt-On Ring Sensors

THMJ & K - B01L06-01

THMJ & K - B01L06-02



Overview

- Ideal thermocouple sensor for nozzles, extruder barrels, die heads, molds and many other surface sensing applications
- Type J or K thermocouple elements to meet many temperature sensing applications
- 316 SS or brass construction
- Grounded or ungrounded junctions
- 6 foot lead wires with stainless steel overbraid
- Made in the USA

Thermocouple Bolt-On Ring Sensors - Types J and K								
Part Number	Pcs/Pkg	Wt (lb)	Price	Type	Junction Type	Ring Material	Temperature Sensing Range	Mounting
THMJ-B01L06-01	1	0.4	\$;08h.:	J	Grounded	316 SS	0° to 482°C (32° to 900°F)	#6-#10 (4mm-5mm) screw or bolt size
THMK-B01L06-01			\$-08i1:	K				
THMJ-B01L06-02			\$-08i0:	J	Ungrounded	Brass		
THMK-B01L06-02			\$-08i2:	K				
THMJ-B02L06-01			\$0d?8:	J	Grounded	316 SS		#12, 1/4 to 5/16 inch (5mm - 8mm) screw or bolt size
THMK-B02L06-01			\$0d?a:	K				
THMJ-B02L06-02			\$0d?9:	J	Ungrounded	Brass		
THMK-B02L06-02			\$0d?b:	K				

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 20 AWG wire leads with stripped ends, fiberglass insulation and stainless steel overbraid

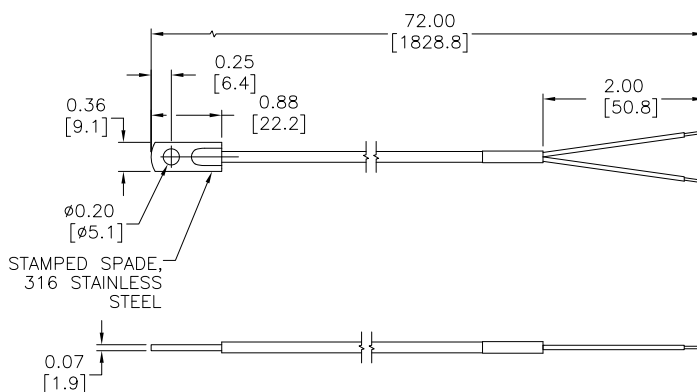


Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

Dimensions

inches [mm]

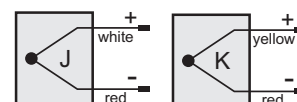
THMJ & K - B01L06-01



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

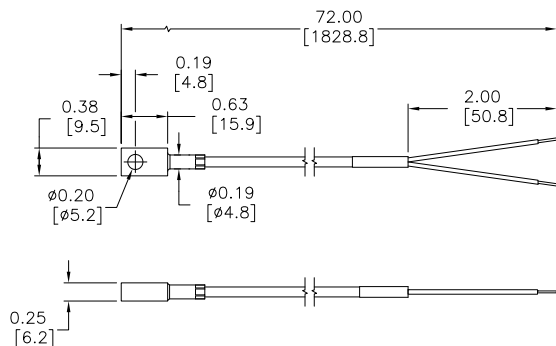


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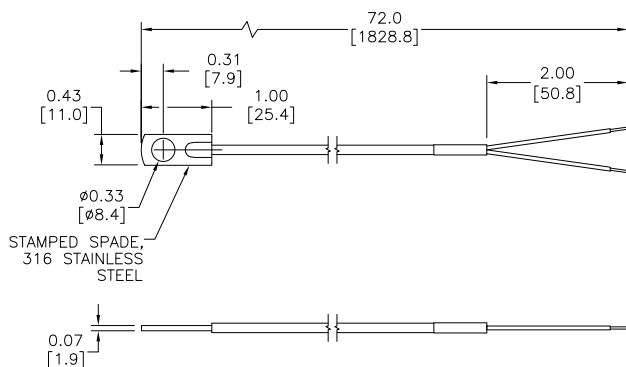
Dimensions

inches [mm]

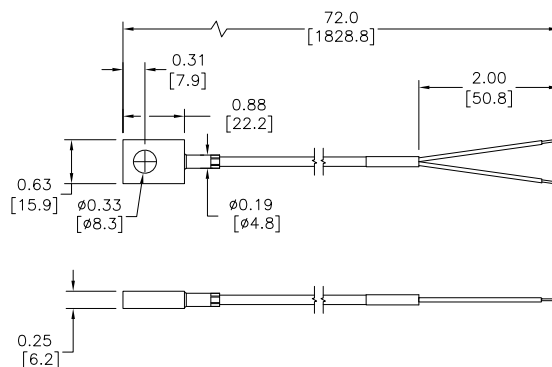
THMJ & K - B01L06-02



THMJ & K - B02L06-01



THMJ & K - B02L06-02

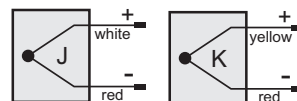


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Accessories

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>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>WCB-S</u>	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors.	4	\$05hp:

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