

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 | \$22.00 | J | Grounded | 316 SS | 0° to 482°C (32° to 900°F) | #6-#10 (4mm-5mm) screw or bolt size |
| THMK-B01L06-01 | | | \$22.50 | K | | | | |
| THMJ-B01L06-02 | | | \$33.50 | J | Ungrounded | Brass | | |
| THMK-B01L06-02 | | | \$38.00 | K | | | | |
| THMJ-B02L06-01 | | | \$21.50 | J | Grounded | 316 SS | | #12, 1/4 to 5/16 inch (5mm - 8mm) screw or bolt size |
| THMK-B02L06-01 | | | \$23.00 | K | | | | |
| THMJ-B02L06-02 | | | \$34.50 | J | Ungrounded | Brass | | |
| THMK-B02L06-02 | | | \$39.50 | 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 |

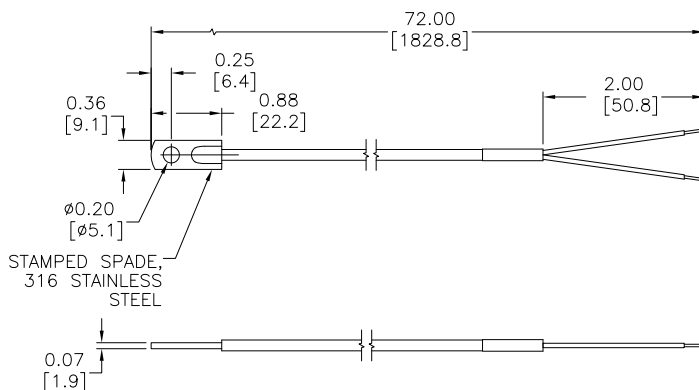


Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

Dimensions

inches [mm]

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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

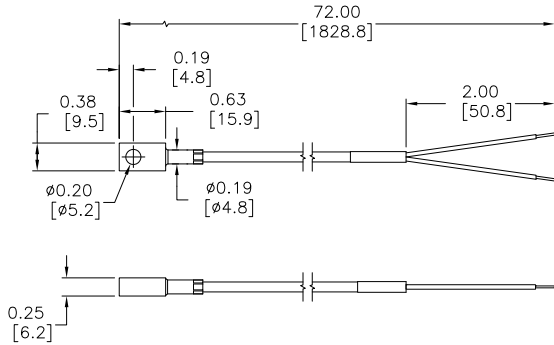


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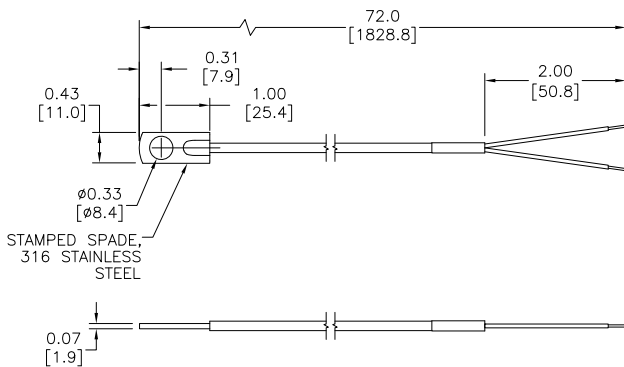
Dimensions

inches [mm]

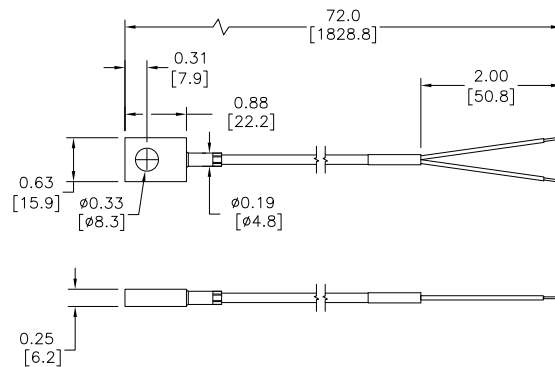
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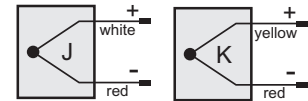
THMJ & K - B02L06-02



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



Accessories

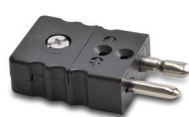
| Part No. | Description | Pcs/Pkg | Price |
|------------------------|--|---------|---------|
| <u>THMJ-SP</u> | Thermocouple connector, Type J, standard round pin plug, maximum continuous temperature 400°F (200°C), glass filled thermoplastic black body, thermocouple material pins, 14 AWG maximum (2.0 mm) wire size | 1 | \$4.00 |
| <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 | \$5.25 |
| <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 | \$4.50 |
| <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 | \$5.50 |
| <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 | \$10.00 |
| <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 | \$10.00 |
| <u>WCB-S</u> | Wire / cable clamp bracket for use with standard thermocouple and RTD connectors. | 4 | \$7.00 |

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