Or Sense Thermocouple Threaded Bolt Sensors



Overview

- Typically used to measure the temperature of the nozzle of an injection molding machine without being in direct contact with the molten plastic.
- The small size of this sensor makes it ideal for other general areas of use such as mounting in bearing housings, sealing bars, heat plates, and other limited space applications
- Type J or Type K thermocouples
- Grounded or ungrounded junctions
- 1/4-28 UNF threaded stainless steel rotating bolt allows for easy installation
- 6-foot lead wires with stainless steel overbraid
- · Made in the USA

Thermocouple Threaded Bolt Sensors - Types J and K										
Part Number	Pcs/Pkg	Wt (lb)	Price	Туре	Junction Type	Bolt	Temperature Sensing Range			
THMJ-N38P14-01	1	0.25	\$30.00		Grounded	- 1/4-28 x 3/8" Stainless Steel Rotating Bolt	-18 to 482°C (0 to 900°F)			
THMJ-N38P14-02	1	0.25	\$32.50	J	Ungrounded					
THMK-N38P14-01	1	0.25	\$31.50	К	Grounded					
THMK-N38P14-02	1	0.25	\$34.00		Ungrounded					

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

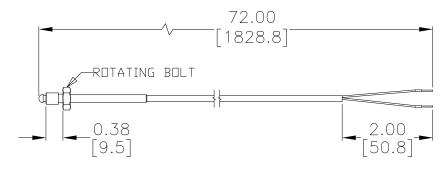


Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

Dimensions

inches [mm]

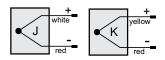
THMJ & K - N38P14-0X



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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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	\$4.50
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	\$5.75
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	\$4.50
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	\$5.50
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	\$14.00
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	\$3.75
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	\$4.25
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	\$4.00
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	\$4.25
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	\$11.00
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	\$10.50
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	\$8.25
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	\$9.00
WCB-M	Wire / cable clamp bracket for use with miniature thermocouple connectors	4	\$12.00
WCB-S	Wire / cable clamp bracket for use with standard thermocouple and RTD connectors	4	\$12.00

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-SPJ THMJ-SPJ







Thermocouple Connectors

www.automationdirect.com Temperature Sensors tTRS-47