

# Thermocouple Probe with Hex Nipple

A1MJ & K- HXX L01- 01 & 03



## Overview

- All temperature sensors are custom made standard item
- Type J or K thermocouple elements to meet many temperature sensing applications
- Ø3.2mm & Ø6.35mm ,316SS or Inconel Alloy 600 sealed sheath to protect from harsh sensing applications
- Magnesium Oxide (MgO) insulation provides vibration dampening and protection against thermal shock
- 150mm,300mm or 450mm probe length
- 304SS, 1/2x1/2 BSP hex nipple allows easy replacement of existing probes and connection to a wiring junction box
- .Others
- Required others types of thermocouple, specifications & temperature range can be custom made upon request

## Thermocouple Probe with Hex Nipple -Types J and k

Part No	Type	Probe Diameter	Probe Length	Temperature Range	Mounting
		Ø(mm)	(mm)	°C	
A1MJ-H06L01-01	J	6.35mm	150	0 to 250	Integral 1/2"BSPX1/2"BSP HEX Nipple 304SS
A1MJ-H12L01-01	J	6.35mm	300	0 to 250	
A1MJ-H18L01-01	J	6.35mm	450	0 to 250	
A1MK-H06L01-01	K	6.35mm	150	0 to 400	
A1MK-H12L01-01	K	6.35mm	300	0 to 400	
A1MK-H18L01-01	K	6.35mm	450	0 to 400	
A1MK-H06L01-03	K	3.2mm	150	0 to 1000	
A1MK-H12L01-03	K	3.2mm	300	0 to 1000	
A1MK-H18L01-03	K	3.2mm	450	0 to 1000	

## Technical Specifications

Junction Type	Grounded
Probe	Ø3.2mm & 6.35mm,316 s/s or Inconel Alloy 600 sheath,single thermocouple element is embedded in MgO powder
Minimum Installation Depth	76mm length
Wiring	76mm length 24AWG wire leads , Teflon insulation

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## Dimension

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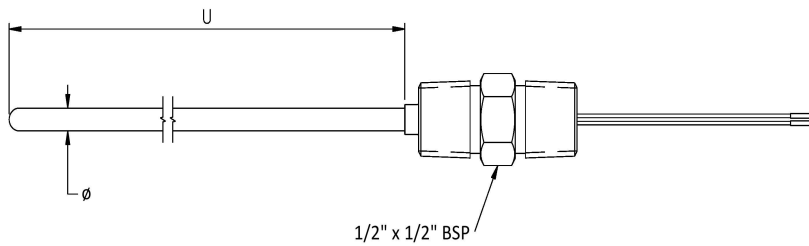


TABLE A	
PART NUMBER	U LENGTH
A1MJ-H06L01-01	150mm
A1MJ-H12L01-01	300mm
A1MJ-H18L01-01	450mm
A1MK-H06L01-01	150mm
A1MK-H12L01-01	300mm
A1MK-H18L01-01	450mm
A1MK-H06L01-03	150mm
A1MK-H12L01-03	300mm
A1MK-H18L01-03	450mm

## Wiring Information

**Type J: (+) white (-) red**

**Type K: (+) yellow (-) red**

- Must use thermocouple extension lead wire, see end of this section
- Observe polarity when making connections
- Do not use standard wire nuts

