



**A ONE UNION (M) SDN BHD** (1004072-A)

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Cert No. 07780  
THERMOCOUPLE & SCR CONTROLLER  
SPECIALITY MANUFACTURER  
INDUSTRIAL ALLOYS,  
FURNACE MATERIALS,  
INSTRUMENT & EQUIPMENT

# Thermocouple Probewith 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 Ø(mm)	Probe Length (mm)	Temperature Range °C	Mounting
A1MJ-H06L01-01	J	6.35mm	150	0-250	Integral 1/2"BSPX1/2"BSP HEX Nipple 304SS
A1MJ-H12L01-01	J		300		
A1MJ-H18L01-01	J		450		
A1MK-H06L01-01	K	6.35mm	150	0-400	
A1MK-H12L01-01	K		300		
A1MK-H18L01-01	K		450		
A1MK-H06L01-03	K	3.2mm	150	0-1000	
A1MK-H12L01-03	K		300		
A1MK-H18L01-03	K		450		

## 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

**A1MJ & K- HXX L01- 01- & 03**

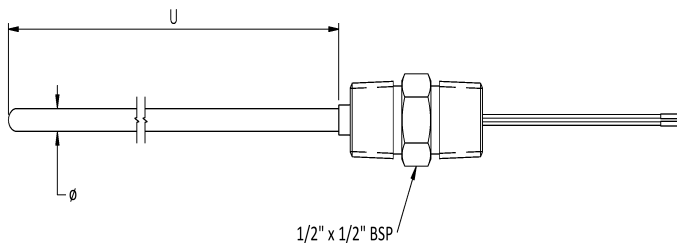


TABLE A	
PART NUMBER	U LENGTH
A1MJ-H06L01-01	150mm
A1MJ-H12L01-01	300mm
A1MJ-H18L01-01	450mm
A1MK-H06L01-01	150mm
A1MK-H12L01-01	300mm
A1MK-H18L01-01	450mm
A1MK-H06L01-03	150mm
A1MK-H12L01-03	300mm
A1MK-H18L01-03	450mm

## 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

