

## Thermocouple Probe with Attached Plug

A1MJ-PXX-01



A1MK-PXX-01



A1MT-PXX-01



A1MJ-PXX-02



### Overview

- All temperature sensors are custom made standard item.
- Type J, K or T thermocouple elements to meet many temperature sensing applications
- Ø3.2mm & Ø6.35mm ,304SS sheath to protect against harsh environments
- Magnesium Oxide (MgO) insulation provides vibration dampening and protection against thermal shock
- 150mm, 300mm or 450mm probe length
- Attached plug for quick and easy wiring connections

### Others

- Required others types of thermocouple, specifications & temperature range can be custom made upon request

A1MK-PXX-02



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

Part No	Type	Probe Diameter	Probe Length	Temperature Range	Attached Male Plug size
		Ø(mm)	(mm)	°C	
A1MJ-P06-01	J	3.2mm	150	0 to 250	Miniature
A1MJ-P12-01	J	3.2mm	300	0 to 250	
A1MJ-P18-01	J	3.2mm	450	0 to 250	
A1MK-P06-01	K	3.2mm	150	0 to 250	
A1MK-P12-01	K	3.2mm	300	0 to 250	
A1MK-P18-01	K	3.2mm	450	0 to 400	
A1MT-P06-01	T	3.2mm	150	-200 to 250	
A1MT-P12-01	T	3.2mm	300	-200 to 250	
A1MT-P18-01	T	3.2mm	450	-200 to 250	
A1MJ-P06-02	J	6.35mm	150	0 to 250	Standard
A1MJ-P12-02	J	6.35mm	300	0 to 250	
A1MJ-P18-02	J	6.35mm	450	0 to 250	
A1MK-P06-02	K	6.35mm	150	0 to 400	
A1MK-P12-02	K	6.35mm	300	0 to 400	
A1MK-P18-02	K	6.35mm	450	0 to 400	

### Technical Specifications

Junction Type	Grounded
Probe	Ø3.2mm & 6.35mm, 304 s/s sheath, single thermocouple element is embedded in MgO powder
Minimum Installation Depth	76mm length

# Thermocouple Probe with Attached Plug

## Dimension

A1MJ , K & T-PXX- 01

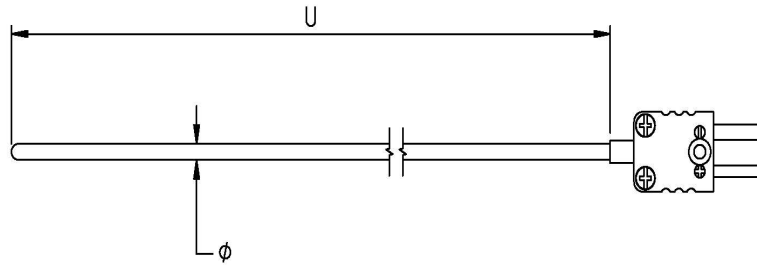


TABLE A	
PART NUMBER	U LENGTH
A1MJ-P06-01	150mm
A1MJ-P12-01	300mm
A1MJ-P18-01	450mm
A1MK-P06-01	150mm
A1MK-P12-01	300mm
A1MK-P18-01	450mm
A1MT-P06-01	150mm
A1MT-P12-01	300mm
A1MT-P18-01	450mm

## Wiring Information

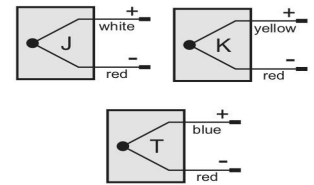
Type J: black plug

Type K: yellow plug

Type T: blue plug

Pins labeled + and -

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



A1MJ & K-PXX-02

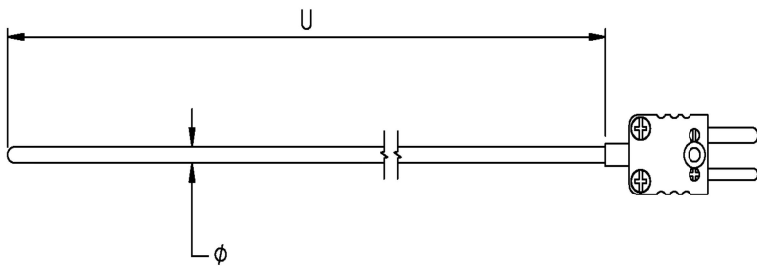


TABLE A	
PART NUMBER	U LENGTH
A1MJ-P06-02	150mm
A1MJ-P12-02	300mm
A1MJ-P18-02	450mm
A1MK-P06-02	150mm
A1MK-P12-02	300mm
A1MK-P18-02	450mm

## Wiring Information

Type J: black plug

Type K: yellow plug

Pins labeled + and -

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

