

# Thermocouple Probes with Lead Wire Transition

**A1MJ , K & T-TXX L06-01, 02 & 03**



## 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 or InconelAlloy 600 sheath to protect against harsh environments
  - Magnesium Oxide (MgO) insulation provides vibration dampening and protection against thermal shock
  - 150mm,300mm or 450mm probe length
  - Heavy duty lead wire transition with relief spring
  - 2 meters lead wires with stainless steel overbraid
- Others
- Required others types of thermocouple, specifications & temperature range can be custom made upon request

**Thermocouple Probe with Lead Wire Transition- Type J, K and T**

Part No	Type	Probe Diameter	Probe Length	Probe Material	Temperature Range
		Ø(mm)	(mm)		°C
A1MJ-T06L06-01	J	3.2mm	150	304 Stainless Steel	0 to 250
A1MJ-T12L06-01	J	3.2mm	300		0 to 250
A1MJ-T18L06-01	J	3.2mm	450		0 to 250
A1MK-T06L06-01	K	3.2mm	150		0 to 400
A1MK-T12L06-01	K	3.2mm	300		0 to 400
A1MK-T18L06-01	K	3.2mm	450		0 to 400
A1MT-T06L06-01	T	3.2mm	150		-200 to 250
A1MT-T12L06-01	T	3.2mm	300		-200 to 250
A1MT-T18L06-01	T	3.2mm	450		-200 to 250
A1MJ-T06L06-02	J	6.35mm	150	316 Stainless Steel	0 to 250
A1MJ-T12L06-02	J	6.35mm	300		0 to 250
A1MJ-T18L06-02	J	6.35mm	450		0 to 250
A1MK-T06L06-02	K	6.35mm	150		0 to 400
A1MK-T12L06-02	K	6.35mm	300		0 to 400
A1MK-T18L06-02	K	6.35mm	450		0 to 400
A1MK-T06L06-03	K	3.2mm	150	Inconel	0 to 1,000
A1MK-T12L06-03	K	3.2mm	300	Alloy	0 to 1,000
A1MK-T18L06-03	K	3.2mm	450	600	0 to 1,000

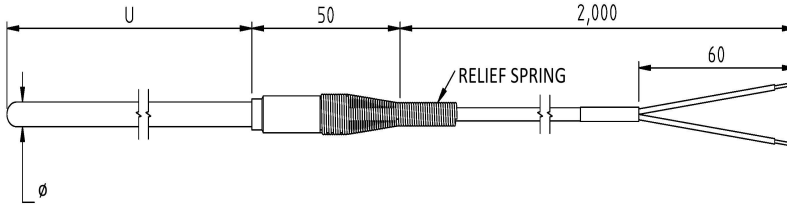
## Thermocouple Probes with Lead Wire Transition

### Technical Specifications

<b>Junction Type</b>	Grounded
<b>Probe</b>	Ø3.2mm & 6.35mm, 304 s/s or Inconel Alloy 600 sheath, single thermocouple element is embedded in MgO powder
<b>Minimum Installation Depth</b>	Ø3.2mm (44.5mm), Ø6.35mm (76mm)
<b>Wiring</b>	2 meters stranded 22AWG wire leads with stripped ends, fiberglass insulation and stainless steel overbraid

### Dimension

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PART NUMBER	U LENGTH
A1MJ-T06L06-01	150mm
A1MJ-T12L06-01	300mm
A1MJ-T18L06-01	450mm
A1MK-T06L06-01	150mm
A1MK-T12L06-01	300mm
A1MK-T18L06-01	450mm
A1MT-T06L06-01	150mm
A1MT-T12L06-01	300mm
A1MT-T18L06-01	450mm
A1MJ-T06L06-02	150mm
A1MJ-T12L06-02	300mm
A1MJ-T18L06-02	450mm
A1MK-T06L06-02	150mm
A1MK-T12L06-02	300mm
A1MK-T18L06-02	450mm
A1MK-T06L06-03	150mm
A1MK-T06L06-03	300mm
A1MK-T18L06-03	450mm

### Wiring Information

**Type J: (+) white (-) red**  
**Type K: (+) yellow (-) red**  
**Type T: (+) blue (-) red**

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

