



Temperature Probe Series Application and Descriptions

INTRODUCTION

The Temperature Probe Series consists of thermocouple sensors. The models are designed for specific measurement applications such as liquids, solids, gases and surfaces (see reverse side). These probes are designed to operate with Amprobe temperature sensing multimeters, or the Amprobe Model TC-253C Temperature /Voltage Converter DMM accessory.

THERMOCOUPLE PROBES

Probes use Type K (chromel-alumel) thermocouple sensors for a wide temperature range. Five models are available for specific applications (see reverse side). All probes use a standard compensated mini-connector for attachment directly to the meter or MH101KA Probe Handle. Accuracy is rated at $\pm 1^{\circ}\text{C}$, $\pm 2^{\circ}\text{F}$, or 0.4% of reading, whichever is greater.

Note: When using with multimeters, thermocouple plug must be unplugged for direct voltage, resistance, or current measurements.

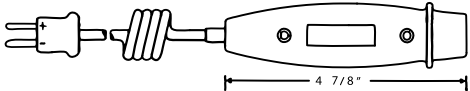
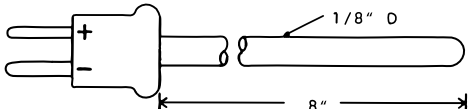
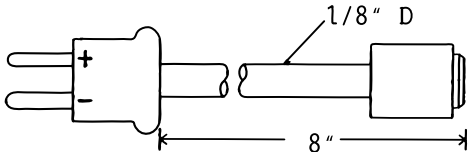
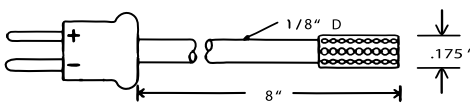
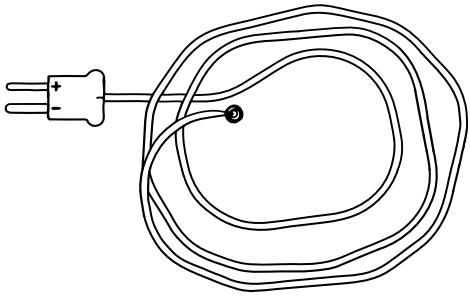
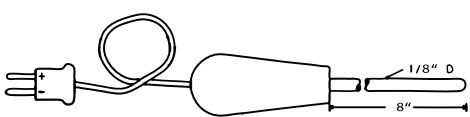
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SYMBOLS

- Caution, risk of electric shock
- Refer to the manual

TEMPERATURE PROBES

CONFIGURATION Type K Thermocouple Probes	MODEL NUMBER	DESCRIPTION	TEMP. RATING	APPLICA-TION	INDICATING TIME (99%)
	MH101KA	Master Probe Extension Probe Handle Type K T/C. Includes 1 ft of 4:1 expandable cable (48"). For use with TP110K, 120K, and 130 K Probes.		Handle for TP110KA, TP120KA, and TP130KA	
	TP110KA	Immersion Probe A general purpose immersion sensor with grounded junction for fast response. Stainless steel sheath. For use with Model MH101K Probe Handle.	650°C (1200°F)	Liquids	10 seconds
	TP120KA	Surface Probe Heavy Duty, fast response sensor for surface measurements of hot plates, furnaces, molds, etc. Stainless steel sheath. For use with Model MH101K Probe Handle.	650°C (1200°F)	Surface	6 seconds
	TP130KA	Air Probe Exposed junction air sensor with radiation protection shield. Suitable for all air/gas measurements. For use with MH101K Probe Handle.	650°C (1200°F)	Air/gas	45 seconds
	TP255A	Bead Probe 4 ft. long K-type beaded T/C wire. Includes standard miniconnector.	200°C (392°F)	Air/gas	5 seconds
	TP254A	Immersion Probe General purpose sensor with inconel sheath and plastic handle.	1100°C (2012°F)	Liquids	10 seconds

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