

DATA SHEET

KPS10 PIPE CLAMP PROBE TYPE 'K'

PIPE CLAMP PROBE - Type 'K'

Description

This probe uses a pipe clamp to enable the user to easily contact the sensor onto a pipe. The construction ensures good thermal contact with the pipe surface. The clamps are suitable for use with pipes of up to 25mm diameter.

Construction

Pipe Clamp is fitted with a fine wire thermocouple mounted on a rubber support. The probe is fitted with 2M of curly Polyurethane cable, complete with moulded miniature plug.

Sensor Features

➤ TOUGH POLYURETHANE CABLE

- Polyurethane cables are used in place of the standard polyurethane for the following reasons :-
- Greater retractability
- Enhanced memory of it's curl
- Non-Toxic
- Greater mechanical strength for durability
- 12 X 0.2mm wires used internally for greater strength.
- PTFE inner insulation for strength and retractability.

➤ HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT

Type 'K' Thermocouple : Class I ($\pm 0.5^\circ\text{C} \pm 0.25\%$)

- | | |
|--|-----------------|
| ➤ WIDE AMBIENT TEMPERATURE SPECIFICATION | : -30 TO 50 °C |
| ➤ TIME RESPONSE (<i>96% of value in water</i>) | : 7.0 Secs |
| ➤ MEASUREMENT RANGE | : -50 TO 150 °C |

Cross-reference for compatible instruments

Suitable instruments for use with this probe

TME PART No	DESCRIPTION	APPLICATION
MM2000	SINGLE INPUT INSTRUMENT	HIGH ACCURACY TEMPERATURE MEASUREMENT
MM2010	MAX / MIN HOLD INSTRUMENT	HIGH ACCURACY INSTRUMENT WITH MAX, MIN AND HOLD FEATURES
MM2020	DIFFERENTIAL INSTRUMENT	DUAL INPUT INSTRUMENT FOR DIFFERENTIAL MEASUREMENTS
MM2030	THERMOCOUPLE SIMULATOR	HIGH ACCURACY SIMULATOR WITH MEASUREMENT FACILITY