

## 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 PVC 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 ( $\pm 1.5^{\circ}\text{C} \pm 0.25\%$ )

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

**Please Note:** Foam pads may deform if left for prolonged periods on hot pipework.

#### 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