

## DATA SHEET

### KM08 Type 'K' Shower Legionella Probe

#### Type 'K' with stainless steel cup

##### Description

The KM08 shower probe is manufactured with an integral stainless steel cup which catches the water for a more accurate temperature reading. The probe is fully waterproof and features a straight handle for precise control and 300mm stem.

##### Construction

Minerally Insulated Probe 3.0 mm Diameter by 300mm Long : Stainless Steel 316  
Integral stainless steel cup (1.5 inches diameter). 2M curly polyurethane cable with moulded connector.  
Complete waterproof assembly.

#### Sensor Features

➤ **TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.**

This results in a solid handle as opposed to a hollow handle. This is particularly important as there is often damage to the handles caused by excess heat. With a hollow handle it is possible to puncture the outer plastic and damage the sensor irreparably.

➤ **WATERPROOF HANDLE**

Due to the total encapsulation method used, all TME probe handles are completely waterproof.

➤ **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 (±1.5°C ±0.25%)

➤ **POLYPROPYLENE HANDLES**

Polypropylene is an extremely tough and durable material, commonly used for milk crates, it has good low temperature performance and a relatively high melt temperature. It performs exceptionally well under chemical attack.

- **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C
- **TIME RESPONSE (96% of value in water)** : 2.0 Secs
- **MEASUREMENT RANGE** : -200 TO 400 °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
MM2008	SINGLE INPUT INST. WITH TIMER	WATER TEMPERATURE & LEGIONELLA APPLICATIONS
MM2010	MAX / MIN HOLD INSTRUMENT	HIGH ACCURACY INSTRUMENT WITH MAX, MIN AND HOLD FEATURES
MM7000	BARCODE SCANNING THERMOMETER	DATA CAPTURE AND RECORDING
CLEK1	LEGIONELLA THERMOMETER KIT	WATER TEMPERATURE & LEGIONELLA APPLICATIONS