# 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
CLEGK1	LEGIONELLA THERMOMETER KIT	WATER TEMPERATURE & LEGIONELLA APPLICATIONS