FMK2
Facilities Management Kit with Legionella Thermometer, Dual Surface/Immersion Probe and Holster

MM2008 Thermometer

FEATURES
A single input thermocouple thermometer with an integral timer with a separate 1 minute and 2 minute count. This thermometer is primarily developed for use in Legionella risk management and offers reassurance that the correct reading is taken when monitoring hot and cold water temperatures.

- Single input thermocouple thermometer
- °C/ °F switchable
- Counter ensures that the correct temperature is met
- 1 minute counter for hot water temperatures
- 2 minute counter for cold water temperature
- Resolution of 0.1° to 1000° autoranging
- Switchable thermocouple K & T only
- Full retention of thermocouple type and temperature scale
- Auto Switch Off capability
- Easy to use software calibration
- Overrange / Open circuit sensor indication
- Low battery indication
- Supplied complete with shock resistant rubber boot
- IP67 casing

USING THE TIMER
1. Press either for 1 minute count or for 2 minute count.
2. Press the same button again to switch off.

SPECIFICATIONS

ENVIRONMENTAL
AMBIENT OPERATING RANGE : -30 to 50 °C
STORAGE TEMPERATURE RANGE : -40 to 50 °C
HUMIDITY : 0 to 70% R.H.

ELECTRICAL
MEASUREMENT RANGES : K -200 to 1372 °C
T -200 to 400 °C

THERMOCOUPLE TYPES : K & T
TEMPERATURE SCALES : °C / °F
ACCURACY @23°C : +/- 0.1% OF READING +/- 0.2 °C
CHARACTERISING ACCURACY : LESS THAN 0.05 °C
TEMPERATURE COEFFICIENT : 0.01% OF READING /°C
COLD JUNCTION COMPENSATION : 0.0075 °C/°C
RESOLUTION : 0.1° to 1000, 1° ABOVE 1000
GENERAL

BATTERY : PP3 9V I.E.C. 6F22
BATTERY LIFE (INTERMITTENT USE) : GREATER THAN 200 HOURS (ALKALINE)
WEIGHT : 155 gm
DIMENSIONS : 130 X 70 X 33 mm

Probe

KS20-S DUAL PURPOSE SURFACE / IMMERSION PROBE TYPE ‘K’

Description

This probe is designed for monitoring both immersion and surface temperatures. It features a 'crossed' ribbon sensing tip for superior strength and speed when compared to a single band version.

NOTE: This probe only requires light pressure to give a true reading and is suitable for smooth, clean surfaces. If used on an uneven surface, there is a risk that the band will be weakened and deformed.

Construction

‘Crossed’ ribbon band sensor with thermocouple attached and draught shield: Stainless Steel 316 (Food Grade). Sealed with Silicon Rubber compound to ensure the probe is fully waterproof. 2M curly polyurethane cable with moulded connector.

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 its 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 ºC
➢ TIME RESPONSE (96% of value on clean metal) : 3 Secs
MEASUREMENT RANGE: -50 TO 250 °C (higher for non-continuous measurement)

Holster

For MM Thermometer Range & Probe

Hard wearing leatherette holster

- Complete with Belt clip
- Two popper closing
- Overall Measurement approx 140x 80x 40mm

Cross-reference for compatible probes

Suitable probes for use with this instrument

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