

DATA SHEET

PRTM01-C PT100 DOMED GENERAL PURPOSE PROBE

GENERAL PURPOSE PROBE - 4.0 mm PT100

Description

This probe uses the straight handle for fine control. The probe is truly general purpose and may be used for gas, liquid or applications with difficult access.

Construction

Stainless Steel Probe 4.0 mm Diameter by 100mm Long : Stainless Steel 316 (Food Grade)
2M curly polyurethane cable to tails 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 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 FLAT FILM PT100 SENSOR**

PT100 Sensor : Class A (±0.15°C ±0.2%) (BS1904 Class A)

➤ **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)** : 10 Secs
 ➤ **MEASUREMENT RANGE** : -50 TO 500 °C

Cross-reference for compatible instruments

Suitable instruments for use with this probe

	DESCRIPTION	APPLICATION
MM2050	MAX / MIN HOLD INSTRUMENT	HIGH ACCURACY INSTRUMENT WITH MAX, MIN AND HOLD FEATURES