

DATA SHEET

TP10 TYPE 'T' NEEDLE PROBE

Needle Probes - 1.5 mm Type 'T'

Description

This probe uses a small handle for ease of use in confined spaces. It is suitable for semi-solid product.

Construction

Needle Probe 1.5mm Diameter by 7mm Long : Stainless Steel 316 (Food Grade)
1M straight PTFE 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 PTFE CABLE**

- PTFE cable ensures operation to 185°C.
- PTFE insulation for greater strength.

➤ **HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT**

Type 'T' Thermocouple : ½ Class I (±0.25°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)** : 1.6 Secs

➤ **MEASUREMENT RANGE** : -100 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
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