

DATA SHEET

TP02 HEAVY DUTY PROBE TYPE 'T'

HEAVY DUTY PROBE - Type 'T'

Description

This probe uses a strong handle at right angles to the sensor stem to allow the user ease of penetration of the sensor into the product.

Construction

Robust Delryn Handle with integral thermocouple socket. Stainless Steel sensor stem, with sensor welded into the tip. Supplied complete with detachable 2M curly Polyurethane cable.

Sensor Features

➤ **STAINLESS STEEL CONSTRUCTION**

The needle is constructed from solid stainless steel rod which gives a very strong construction.

➤ **STRONG DELRYN HANDLE**

The handle for this probe is constructed from solid delryn rod giving a very robust assembly.

➤ **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 THERMOCOUPLE MATERIAL THROUGHOUT**

Type 'T' Thermocouple : ½ Class I (±0.25°C ±0.15%)

➤ **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C

➤ **TIME RESPONSE (96% of value in water)** : 7.0 Secs

➤ **MEASUREMENT RANGE** : -100 TO 280 °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