

DATA SHEET

THP05 PLUG MOUNTED NEEDLE PROBE TYPE 'T'

PLUG MOUNTED NEEDLE PROBE - Type 'T'

Description

Needle probe plug mounted using a moulded connector.

Construction

Stainless Steel Needle probe plug mounted.
Needle is 3.3mm diameter and 100mm long with a sensor welded to the tip.

Sensor Features

- **TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.**

This probe is manufactured using a two stage moulding technique. Firstly the probes are encased in tough nylon, then a thermoplastic over moulding is applied. This gives an extremely robust and durable construction with the added benefit that the assembly is waterproof.

- **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)** : 1.6 Secs
- **MEASUREMENT RANGE** : -100 TO 250 °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 |
| SOLO-T | COMPACT SINGLE INPUT INSTRUMENT | HIGH ACCURACY TEMPERATURE MEASUREMENT |