

## DATA SHEET

### THS02 PLUG MOUNTED SURFACE PROBE TYPE 'T'

#### PLUG MOUNTED SURFACE PROBE - Type 'T'

##### Description

The probe is designed for the measurement of surface temperatures with wide temperature range.

##### Construction

Surface probe with copper sensing tip protected by a sprung stainless steel draught shield.:  
 Stainless Steel 316 (Food Grade)  
 4mm diameter stem 100mm long. Probe tip 6mm diameter.

##### **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 on clean metal*) : 3.0 Secs
- **MEASUREMENT RANGE** : -50 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
SOLO-T	COMPACT SINGLE INPUT INSTRUMENT	HIGH ACCURACY TEMPERATURE MEASUREMENT