

DATA SHEET

TA01CT FINE WIRE (PTFE) THERMOCOUPLE SENSOR

TYPE 'T' With Cable Tidy

FINE WIRE SENSOR - Type 'T'

Description

This sensor is constructed using a 1M length PTFE wire constructed as a twisted pair. The wire used is ½ Class 1 Type T alloys (Cu / Co). A weld bead is manufactured at one end of the wire whilst the other end is terminated in a moulded miniature thermocouple plug. The cable can be wrapped around the plug to keep it tidy.

Sensor Features

➤ **MOULDED PLUG**

The use of a moulded plug gives a robust construction as well as providing a waterproof termination.

➤ **HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT**

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

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

➤ **TIME RESPONSE** (*96% of value in moving gas*) : 0.1 Secs

➤ **MEASUREMENT RANGE** : -100 TO 250 °C

(Please note may be used for temperatures down to -100°C however insulation will become brittle at temperatures below -50°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 |