

# DATA SHEET

## TA03CT FINE WIRE (PTFE) THERMOCOUPLE SENSOR

### TYPE 'T' with Cable Tidy

#### FINE WIRE SENSOR - Type 'T'

#### Description

This sensor is constructed using a 3M 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 ( $\pm 0.25^{\circ}\text{C} \pm 0.15\%$ )

➤ 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)