



## DATA SHEET

ENGLISH

### RS 479 - 1788 (PTFE) THERMOCOUPLE SENSOR

#### FINE WIRE SENSOR - Type 'K'

##### Description

This sensor is constructed using a 3M length PTFE wire constructed as a twisted pair. The wire used is Class 1 Type K alloys (NiCr / NiAl). A weld bead is manufactured at one end of the wire whilst the other end is terminated in a moulded miniature thermocouple plug.

#### 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 'K' Thermocouple : Class I ( $\pm 0.1.5^{\circ}\text{C} \pm 0.25\%$ )

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|--|------------------|
| ➤ <b>WIDE AMBIENT TEMPERATURE SPECIFICATION</b>              | : -100 TO 250 °C |
| ➤ <b>TIME RESPONSE</b> ( <i>96% of value in moving gas</i> ) | : 0.1 Secs       |
| ➤ <b>MEASUREMENT RANGE</b>                                   | : -100 TO 250 °C |

(Please note that insulation will become brittle at temperatures below -50°C)