



DATA SHEET

RS 409 - 4920 (Fibre Glass) THERMOCOUPLE SENSOR

FINE WIRE SENSOR - Type 'K'

Description

This sensor is constructed using a 1M length Fibre Glass 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 ($\pm 0.1.5^{\circ}\text{C} \pm 0.25\%$)

- | | |
|---|------------------|
| ➤ WIDE AMBIENT TEMPERATURE SPECIFICATION | : -100 TO 450 °C |
| ➤ TIME RESPONSE (96% of value in moving gas) | : 0.1 Secs |
| ➤ MEASUREMENT RANGE | : -100 TO 450 °C |

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