

DATA SHEET

KA01-V FINE WIRE (PTFE) THERMOCOUPLE SENSOR

TYPE 'K' IN VARIOUS LENGTHS

FINE WIRE SENSOR - Type 'K'

Description

This sensor is constructed using PTFE wire constructed as a flat 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.

This probe is available in various lengths up to 20 meters.

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 ($\pm 1.5^{\circ}\text{C} \pm 0.25\%$)

➤ **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -100 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
MM2008	SINGLE INPUT INSTRUMENT	LEGIONELLA TEMPERATURE MONITORING
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