

DATA SHEET

KHA02 PLUG MOUNTED AIR PROBE TYPE 'K'

PLUG MOUNTED AIR PROBE - Type 'K'

Description

Air probe plug mounted using a moulded connector.

Construction

Air probe with exposed thermocouple sensor protected by a perforated stainless steel sheath. Insulated in ceramic sheaths.

Sensor stem is 4mm diameter and 100mm long, the sensor is approx 15mm from the stem end.

Sensor Features

➤ TOTAL ENCAPSULATION TECHNIQUE FOR MAXIMUM STRENGTH AND DURABILITY.

This probe is manufactured using a two stage moulding technique. Firstly the probes are encased in tough nylon, then a thermoplastic over moulding is applied. This gives an extremely robust and durable construction with the added benefit that the assembly is waterproof.

➤ HIGH ACCURACY THERMOCOUPLE MATERIAL THROUGHOUT

Type 'K' Thermocouple : Class I ($\pm 01.5^\circ\text{C} \pm 0.25\%$)

| | |
|-----------------------------------------------------|------------------|
| ➤ WIDE AMBIENT TEMPERATURE SPECIFICATION | : -30 TO 50 °C |
| ➤ TIME RESPONSE (96% of value in moving gas) | : 0.1 Secs |
| ➤ MEASUREMENT RANGE | : -100 TO 750 °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 |