

DATA SHEET

KHS02 PLUG MOUNTED SURFACE PROBE TYPE 'K'

PLUG MOUNTED SURFACE PROBE - Type 'K'

Description

The probe is designed for the measurement of surface temperatures with wide temperature range.

Construction

Surface probe with copper sensing tip protected by a sprung stainless steel draught shield.:
 Stainless Steel 316 (Food Grade)
 4mm diameter stem 100mm long. Probe tip 6mm diameter.

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 (±1.5°C ±0.25%)

- **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C
- **TIME RESPONSE** (*96% of value on clean metal*) : 3.0 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 |
| SOLO-K | COMPACT SINGLE INPUT INSTRUMENT | HIGH ACCURACY TEMPERATURE MEASUREMENT |