

## DATA SHEET

### KHN01 PLUG MOUNTED NEEDLE PROBE TYPE 'K'

#### PLUG MOUNTED NEEDLE PROBE - Type 'K'

##### Description

Needle probe plug mounted using a moulded connector.

##### Construction

Stainless Steel Needle probe plug mounted.  
Needle is 3.3mm diameter and 100mm long with a sensor welded to the tip.

##### **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 ( $\pm 0.5^\circ\text{C} \pm 0.25\%$ )

➤ **WIDE AMBIENT TEMPERATURE SPECIFICATION** : -30 TO 50 °C

➤ **TIME RESPONSE** (*96% of value in water*) : 1.6 Secs

➤ **MEASUREMENT RANGE** : -100 TO 250 °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        |