

DATA SHEET

KHS18-S ULTRA FAST RESPONSE PLUG MOUNTED

SURFACE/IMMERSION PROBE TYPE 'K'

PLUG MOUNTED DUAL PURPOSE PROBE - Type 'K'

Description

The probe is designed for the measurement of both surface and immersion temperatures and has been manufactured with *ThermaSprint* technology giving an ultra fast response time.

NOTE: This probe only requires light pressure to give a true reading and is suitable for smooth, clean surfaces. If used on an uneven surface, there is a risk that the band will be weakened and deformed.

Construction

Ribbon band thermocouple sensor housed within a draught shield: Stainless Steel 316 (Food Grade)
 Draught shield is backfilled with silicon compound for strength and water resistance
 Fully waterproof construction throughout
 4mm diameter stem (7.5mm at tip) 110mm long.

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)** : 2 Secs
- **MEASUREMENT RANGE** : -50 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
MM2008	LEGIONELLA THERMOMETER W/ TIMER	LEGIONELLA 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
MM7000-2D	BARCODE SCANNING THERMOMETER	HANDHELD INSTRUMENT W/ BARCODE SCANNING FACILITY
MM7005-2D	BARCODE SCANNING THERMOMETER W/ USB	HANDHELD INSTRUMENT W/ BARCODE SCANNING FACILITY & USB
MM7100-2D	NEW GEN BARCODE SCANNING THERMOMETER	HANDHELD INSTRUMENT W/ BARCODE SCANNING FACILITY
MM7105-2D	NEW GEN BARCODE SCANNING THERMOMETER W/ USB	HANDHELD INSTRUMENT W/ BARCODE SCANNING FACILITY & USB
SOLO-K	COMPACT SINGLE INPUT INSTRUMENT	HIGH ACCURACY TEMPERATURE MEASUREMENT