



ENGLISH

Datasheet

RS Stock No: 255566

RS PRO Temperature Probe Type 'K'



Product Description

This probe uses the straight handle for fine control. The probe is designed for the measurement of temperature between products. It is most commonly used as part of a goods inward inspection procedure but can also be used for liquid temperature measurement.

Product Construction

A flattened Stainless Steel blade, 7mm wide by 300mm long. Stainless Steel 316 (Food Grade). 2M curly polyurethane cable with a moulded connector. Complete waterproof assembly. This provides the user with a far more robust product than the foil type of between pack probe.



Sensor Features

Total encapsulation technique for maximum strength and durability – this results in a solid handle as opposed to a hollow handle. This is particularly important as there is often damage to the handles caused by excess heat. With a hollow handle it is possible to puncture the outer plastic and irreparably damage the sensor.

Waterproof handle – Due to the total encapsulation method used, the probe handle is completely waterproof.

Tough Polyurethane Cable – Polyurethane cables are used in place of the standard polyurethane for the following reasons:

- Greater retractability
- Enhanced memory of curl
- Non-Toxic
- Greater mechanical strength for durability
- 12 X 0.2mm wires used internally for greater strength
- PTFE inner insulation for strength and retractability

High accuracy thermocouple material throughout. Type 'K' Thermocouple, Class I ($\pm 0.5^{\circ}\text{C}$ $\pm 0.25\%$)

The probe handles are made from polypropylene, an extremely tough and durable material which is commonly used for milk crates. It has good low temperature performance and a relatively high melt temperature. It performs exceptionally well under chemical attack.

Wide Ambient Temperature Specification: -30°C to $+50^{\circ}\text{C}$

Time Response (96% of value in water): 3 Seconds

Measurement Range: -100°C to $+450^{\circ}\text{C}$

Cross-Reference for Compatible Instruments

<u>TME Part No:</u>	<u>Description:</u>	<u>Application:</u>
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