

# DATA SHEET

## RS 342-9123 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.

#### **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 on clean metal*) : 3.0 Secs
- **MEASUREMENT RANGE** : -100 TO 750 °C