

# DATA SHEET

## RS 342 – 9072 PLUG MOUNTED GENERAL PURPOSE PROBE TYPE 'K'

### PLUG MOUNTED GENERAL PURPOSE PROBE - Type 'K'

#### Description

Mineral Insulated probe plug mounted using a moulded connector.

#### Construction

3.0mm diameter by 100mm long mineral insulated plug mounted probe using moulded plug.

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

- |   |                  |
|---|------------------|
| ➤ <b>WIDE AMBIENT TEMPERATURE SPECIFICATION</b> | : -30 TO 50 °C   |
| ➤ <b>TIME RESPONSE (96% of value in water)</b>  | : 2.0 Secs       |
| ➤ <b>MEASUREMENT RANGE</b>                      | : -100 TO 750 °C |