

DATA SHEET

RS 342-9094 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 |

