

## Datasheet

# RS Pro Temperature Probe, K, -100 to +750 °C

RS Stock No: **342-9050**



## Product Details

RS Pro temperature probe uses type K sensor for the measurement of temperatures up to +750°C. This probe is moulded directly onto a miniature thermocouple plug giving a waterproof and robust assembly element. It provides an economic solution to temperature measurement. The handle includes a miniature thermocouple socket to hold the plug-mounted probes. A flexible holding piece firmly holds the probe in place. The fast response sensor comprising an exposed thermocouple junction protected by a perforated stainless steel sheath is perfect for use in heating and ventilation work allowing for temperature measurement with a simple one-handed operation.

## Features and Benefits

- A 3 mm diameter mineral insulated probe is 100 mm long with a stainless steel sheath
- A probe with a sharpened tip that may be used to measure internal temperature of semi-solids
- Features a sprung draught shield, which also serves to protect the tip when not in use
- A thin metal disc giving a low thermal mass which provides for a fast response
- 110 mm long probe
- Pore diameter of 4 mm
- Miniature thermocouple plug
- Accuracy of  $\pm 0.25\%$

**Specifications:**

Best Accuracy	±0.25%
Calibrated	No
Connector Type	Miniature Thermocouple Plug
Maximum Temperature Measurement	+750°C
Probe Diameter	4 mm
Probe Length	110 mm
Probe Type	Air
Sensor Type	K
Ambient Temperature	-30 to +50°C
Minimum Temperature Measurement	-100°C
Response Time	0.1 s