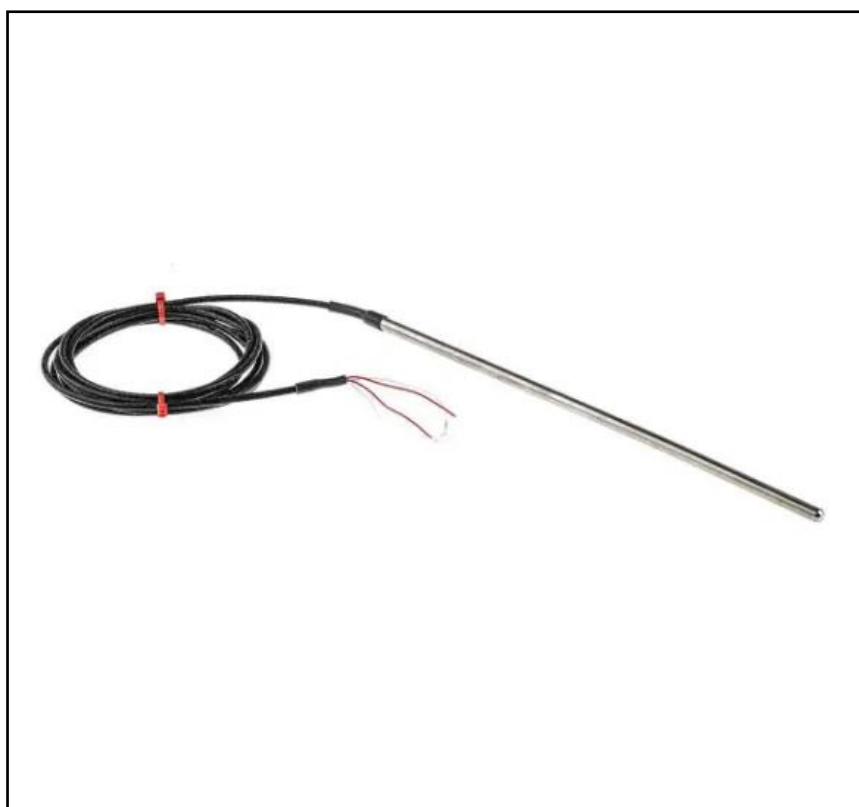


FEATURES

- High stability sensing element with a precision output
- IEC 60751 1/5 Class B accuracy/tolerance
- Temperature measurement range of -50°C to 250°C
- Rigid corrosion resistant 316 stainless steel sheath for protection of sensing element
- PTFE insulation can withstand a wide temperature range
- Silver plated copper cable screen to protect against electromagnetic interference
- 4 wire lead tails for an accurate reading

RS PRO 4 wire PT100 Sensor, -50°C min +250°C max, 250mm Probe Length x 6mm Probe Diameter

RS Stock No.: 236-4299



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS Pro a high-quality precision Pt100 PRT (Platinum Resistance Thermometer) or RTD (Resistance Temperature Detector) sensing probe. This RTD probe has a robust construction with the sensing element encased in a rigid 6mm diameter 316 stainless steel sheath. The leads have a durable and flexible PTFE (Polytetrafluoroethylene) insulation and a silver plated copper screen to protect against electromagnetic interference. This high precision platinum resistance thermometer provides accurate and reliable temperature measurement with an accuracy class that is at 1/5 Class B (0.06°C at 0°C and 0.16°C at 100°C.)

General Specifications

Sensor Type	PT100
Probe Material	Stainless Steel
Number Of Wires	4
Accuracy	0.06 °C
Construction	6.0mm diameter 316 stainless steel sheath.
Calibrated service type	Supplied uncalibrated for custom calibration by the user
Applications	These PRT sensor probes with their robust design are ideal for use in many general purpose industrial applications including the following: Automotive industry, Chemical industry, Micro-electronics, Air conditioning and refrigeration, Air, gas and liquid temperature measurement, Food processing, Laboratories

Mechanical Specifications

Probe Length	250mm
Probe Diameter	6mm
Termination Type	4-wire tails
Cable Length	2m
Process Connection	Probe
Extended lead wires	7/0.2mm PTFE insulated with silver plated copper screen
Sheath	Stainless steel

Operation Environment Specifications

Minimum Temperature Sensed	-50°C
Maximum Temperature Sensed	250°C

Approvals

Compliance/Certifications	IEC 60751
---------------------------	-----------



Probe Diameter
6mm

Probe Length
250mm

Cable Length
2 metre

Allied Code
70641759

RS Order Number
236-4299

