

## FEATURES

- High stability sensing element with a precision output
- IEC 60751 Class B accuracy/tolerance
- Self-adhesive silicone patch for mounting onto a surface
- Silicone patch offers durability and resistance to many oils and chemicals
- Teflon insulated leads for thermal and electrical insulation
- Temperature measurement range of -50°C to 150°C
- 4 lead wires for accurate readings

## RS PRO 4 wire PT100 Sensor, -50°C min +150°C max, 40mm Probe Length x 13mm Probe Diameter

RS Stock No.: 762-1137

Image

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 and reliable Pt100 PRT (Platinum Resistance Thermometer) or RTD (Resistance Temperature Detector). This Pt100 RTD has a sensing element that is encased in silicone rubber patch so it can be used to measure the temperatures on surfaces. The twisted leads are 4 core with a durable and flexible Teflon insulation. This platinum resistance thermometer provides accurate and reliable temperature measurement for a wide range of applications.

## General Specifications

<b>Sensor Type</b>	Pt100
<b>Probe Material</b>	Aluminium Foil Backing, Silicone Rubber
<b>Number Of Wires</b>	4
<b>Accuracy</b>	Class B
<b>Construction</b>	Element encapsulated in a silicone rubber patch with self-adhesive aluminium foil backing
<b>Tolerance</b>	Class B
<b>Applications</b>	These Pt100 PRT silicone patch sensors with their compact and versatile design are most commonly used in pipe or surface measurement.

## Mechanical Specifications

<b>Patch dimensions</b>	Length 40mm x Width 13mm x Height 5mm
<b>Probe Length</b>	40mm
<b>Probe Diameter</b>	13mm
<b>Termination Type</b>	4 wire tails, Lead Wire
<b>Cable Length</b>	5m
<b>Process Connection</b>	Patch Sensor

## Electrical Specifications

Ice point resistance	100Ω
Fundamental interval (0°C to 100°C)	38.5Ω (nominal)
Self-heating	<0.5°C/mW
Stability	±0.05%
Measuring current	1mA

## Operation Environment Specifications

Minimum Temperature Sensed	-50°C
Maximum Temperature Sensed	150°C

## Approvals

Compliance/Certifications	IEC 60751
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### Product code

RTF-100-S4B-2.0-C8  
RTF-100-S4B-5.0-C8

### Cable length

2 metres  
5 metres

### Allied Code

70637793  
70651746

### RS order code

**285-661**  
**762-1137**