

## FEATURES

- A wide operating temperature range: -100 °C to 450°C
- 6mm probe diameter
- IP67 rating which provides protection from total dust ingress and immersion between 15cm and 1meter in depth.
- Conforms to IEC751 standards
- Class B, 4 wire connection

## RS PRO 4 wire PT100 Sensor, -100°C min +450°C max, 200mm Probe Length x 6mm Probe Diameter

RS Stock No.: 285-633



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, comes a range of high-quality PRT (Platinum resistance thermometer) PT100 probes with a terminal head. Manufactured with an aluminium alloy weatherproof connection head these heavy-duty PRT probes are an excellent solution for temperature measurement.

## General Specifications

<b>Sensor Type</b>	PT100
<b>Probe Material</b>	Stainless Steel
<b>Number Of Wires</b>	4
<b>Accuracy</b>	Class B
<b>Construction</b>	6.0mm diameter 316 stainless steel sheath.
<b>Head Type</b>	All weather terminal head
<b>Applications</b>	This PRT probe have a variety of application use such as; Heating, Air conditioning, Stoves and grills, Food processing and energy

## Mechanical Specifications

<b>Probe Length</b>	200mm
<b>Probe Diameter</b>	6mm
<b>Termination Type</b>	IP67 aluminium alloy weatherproof connection head with 4 wire connection block, M20 x 1.5mm cable entry (gland included)
<b>Cable Length</b>	1.5mm
<b>Process Connection</b>	1/2"BSP parallel (where applicable)
<b>Cable Entry Size</b>	M20 x 1.5mm
<b>Immersion Effect</b>	Immersion between 15cm and 1 meter in depth

## Operation Environment Specifications

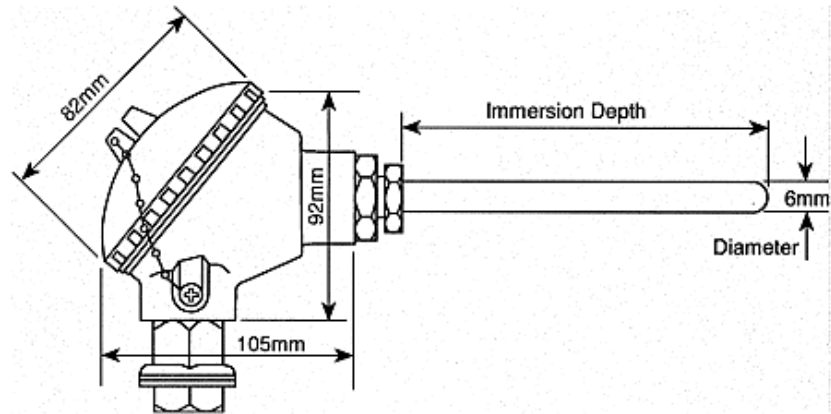
<b>Minimum Temperature Sensed</b>	-100°C
<b>Maximum Temperature Sensed</b>	450°C

## Approvals

<b>Compliance/Certifications</b>	IEC751 standards
<b>Hazardous Area Certification</b>	IP67



All weather terminal head and M20 cable gland.



PT100 Probes with Industrial Terminal Heads

Probe Dia Ø	Probe length	1/2"BSPP process connection	Allied code	RS order code
6.0mm	150mm	No		<b>178-0976</b>
6.0mm	200mm	No	70637790	<b>285-633</b>
6.0mm	250mm	No		<b>178-0977</b>
6.0mm	300mm	No		<b>178-0978</b>
6.0mm	400mm	No	70637791	<b>285-649</b>
6.0mm	600mm	No	70637792	<b>285-655</b>
6.0mm	150mm	Yes	70644355	<b>455-4040</b>
6.0mm	250mm	Yes	70644356	<b>455-4056</b>
6.0mm	500mm	Yes	70644357	<b>455-4062</b>