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 1 meter in depth.**

- **Conforms to IEC751 standards**

- **Class B, 4 wire connection**

RS PRO 4 wire PT100 Sensor, -100°C min +450°C max, 400mm Probe Length x 6mm Probe Diameter

RS Stock No.: 285-649

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

Sensor Type	PT100
Probe Material	Stainless Steel
Number Of Wires	4
Accuracy	Class B
Construction	6.0mm diameter 316 stainless steel sheath.
Head Type	Aluminium alloy weatherproof connection head
Applications	These PRT probes have a variety of application use such as: Heating, Air conditioning, Stoves and grills, Food processing, energy

Mechanical Specifications

Probe Length	400mm
Probe Diameter	6mm
Termination Type	IP67 aluminium alloy weatherproof connection head with 4 wire connection block, M20 x 1.5mm cable entry (gland included)
Process Connection	1/2"BSP parallel
Cable Entry Size	M20
Sheath	Stainless steel
Immersion Effect	Total dust ingress and immersion between 15cm and 1 meter in depth

Operation Environment Specifications

Minimum Temperature Sensed	-100°C
Maximum Temperature Sensed	450°C

Protection Category

IP Rating	IP67

Approvals

Compliance/Certifications	IEC751

With or without 1/2"BSPP process connection, aluminium alloy head termination

(without process connection)

(with process connection – 1/2"BSP parallel)

Platinum Resistance Temperature Sensors

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