FEATURES

- **High stability sensing element with a precision output**

- **IEC 60751 Class A accuracy/tolerance**

- **Temperature measurement range of -20 to 200°C**

- **Rigid corrosion resistant 316 stainless steel sheath for protection of sensing element**

- **Silicone rubber insulation can withstand a wide temperature range and offers**

- **3 wire lead tails for an accurate reading**

- **Sealed fitting and three ring crimps on sheath to prevent leakage during immersion**

RS PRO 3 wire PT100 Sensor, -20°C min +200°C max, 60mm Probe Length x 6mm Probe Diameter

RS Stock No.: 457-3704

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) 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 silicone rubber insulation. This platinum resistance thermometer provides accurate and reliable temperature measurement for a wide range of applications.

General Specifications

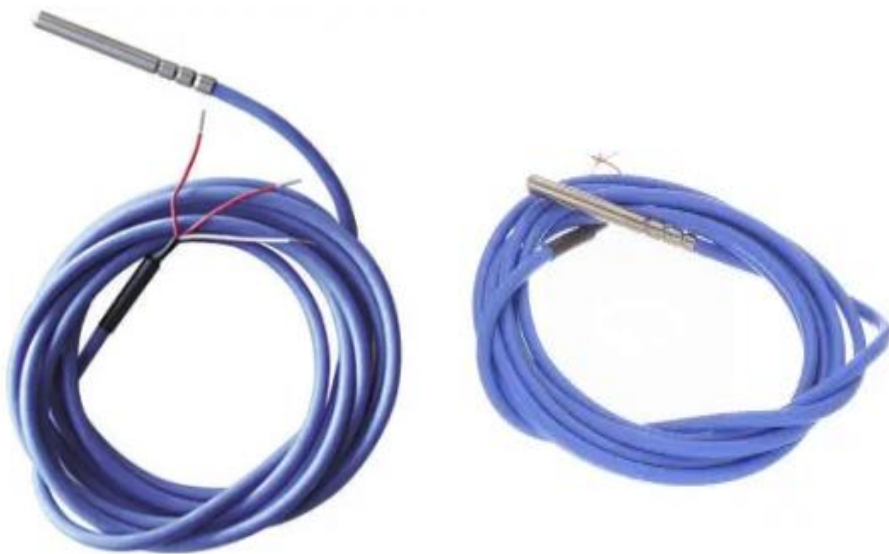|	
Sensor Type	PT100
Probe Material	Stainless Steel
Number Of Wires	3
Accuracy	Class A
Construction	Cable 3 conductors, section 0.22mm² Isolated Silicon/Copper braid/Silicon
Tolerance	±0.15 + 0.002.[t°c]
Applications	These PRT sensor probes with their robust design are ideal for use in many general purpose industrial applications including the following: Air conditioning and refrigeration, Air, gas and liquid temperature measurement, Food processing, Laboratories, Chemical industry, Plastics processing, Stoves and grills

Mechanical Specifications

Probe Length	60mm
Probe Diameter	6mm
Termination Type	Cable
Cable Length	2.5mm
Process Connection	Probe
Sheath	Stainless steel

Operation Environment Specifications

Minimum Temperature Sensed	-20°C
Maximum Temperature Sensed	200°C

Approvals

Compliance/Certifications	IEC 60751

Other type:

Length Wiring	2560mm
Mounting 1x3wires	**457-3704**
Mounting 1x4wires	407-1387

2560

60

Measurment area

PT100 THERMIC ELEMENT WITH CABLE AND TIP Ø 6