

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 flexibility
- 4 wire lead tails for an accurate reading
- Sealed fitting and three ring crimps on sheath to prevent leakage during immersion

RS PRO 4 wire PT100 Sensor, -20°C min +200°C max, 60mm Probe Length x 6mm Probe Diameter

RS Stock No.: 407-1387



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	4
Accuracy	Class A
Construction	Cable 4 conductors, section 0.22mm Isolated Silicon/Copper braid/Silicon, Leak tightness by 3 ring finger crimping
Tolerance	$\pm 0.15 + 0.002 \cdot [t^{\circ}\text{C}]$
Applications	This sensor has a variety of application use such as; Process industry, Laboratories, Chemical industry, Plastics processing, Stoves and grills, Air, gas and liquid temperature measurement, Exhaust gas temperature measurement

Mechanical Specifications

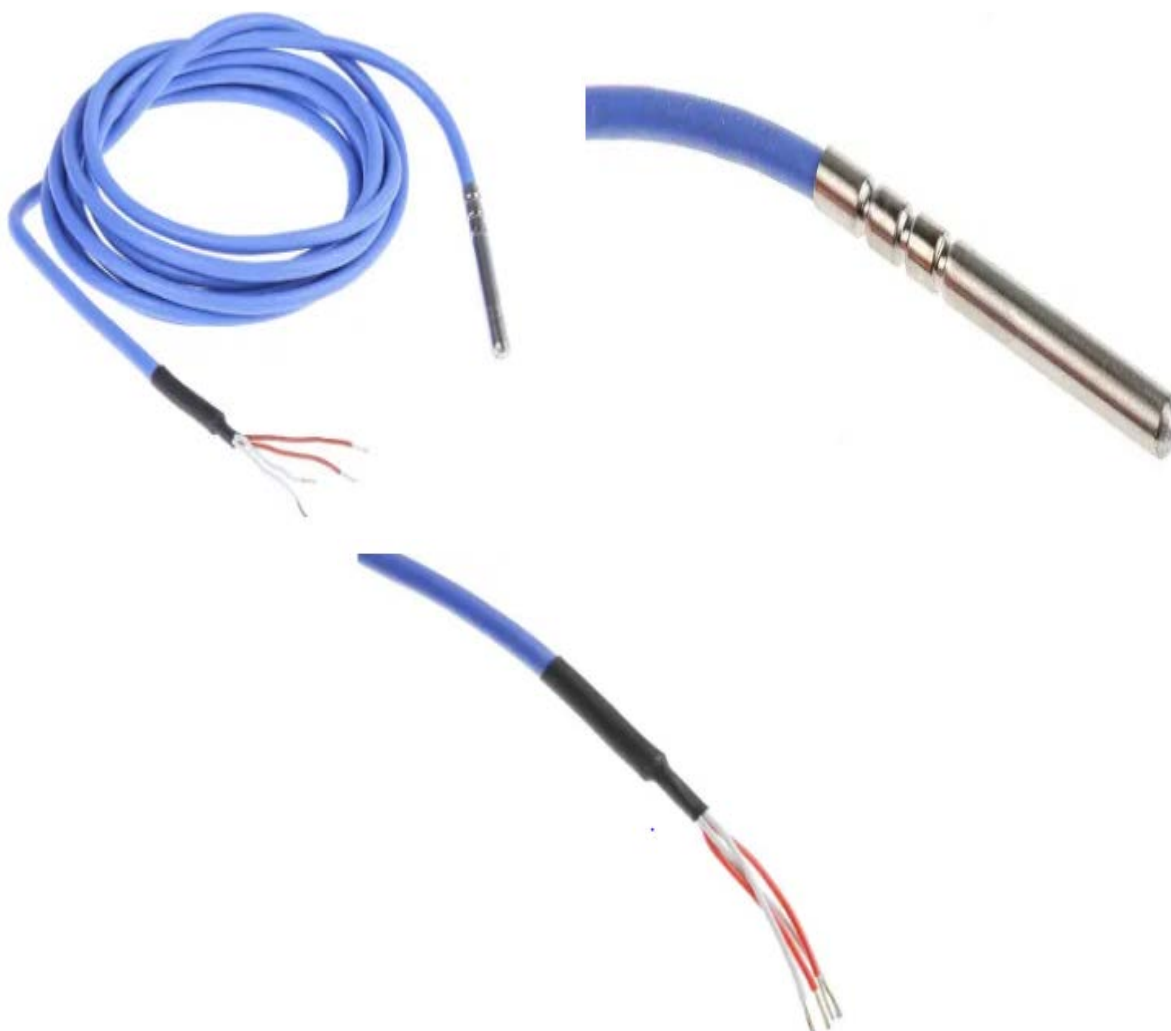
Probe Length	600mm
Probe Diameter	6mm
Termination Type	Cable
Cable Length	2.5m
Process Connection	Probe
Sheath	316 stainless steel sheath

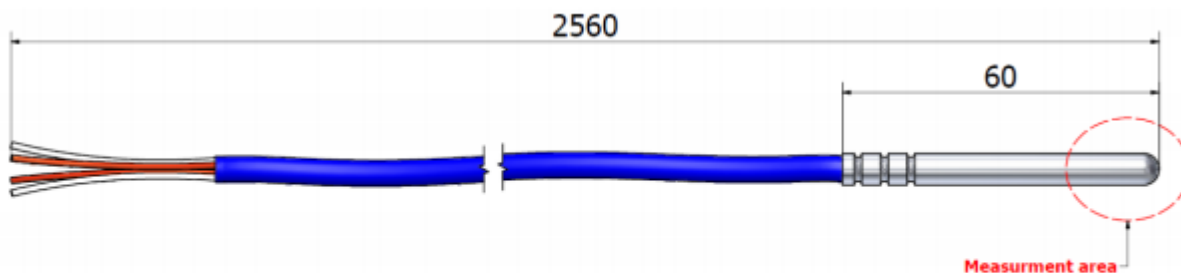
Operation Environment Specifications

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

Approvals

Compliance/Certifications	IEC
Hazardous Area Certification	IEC 60751





PT100 THERMIC ELEMENT WITH CABLE AND TIP Ø 6

Other type:

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