FEATURES

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

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

- **Temperature measurement range of -50 to +250°C**

- **Rigid corrosion resistant 304 stainless steel sheath for protection of sensing element**

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

RS PRO 3 wire PT100 Sensor, -50°C min +200°C max, 100mm Probe Length x 6mm Probe Diameter

RS Stock No.: 373-0372

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 304 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	IEC 60751 Class A
Construction	Cable 2 conductors, section 0.22mm², isolated Silicon
Tolerance	±0.15+0.002.[t°c]
Head Type	KNE Aluminium Alloy, IP68
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, Chemical industry, Plastics processing, Stoves and grills, Air, gas and liquid temperature measurement, Exhaust gas temperature measurement, Food processing, Laboratories

Mechanical Specifications

Probe Length	100mm
Probe Diameter	6mm
Legs length	Total length(tip+cable)=2000mm
Legs diameter	0.24mm
Termination Type	Cable
Cable Length	2m
Process Connection	Probe
Sheath	Stainless steel

Operation Environment Specifications

Minimum Temperature Sensed	-25°C
Maximum Temperature Sensed	-250°C

Approvals

Compliance/Certifications	IEC
Hazardous Area Certification	IEC 60751

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PT100 THERMIC ELEMENT WITH CABLE AND TIP
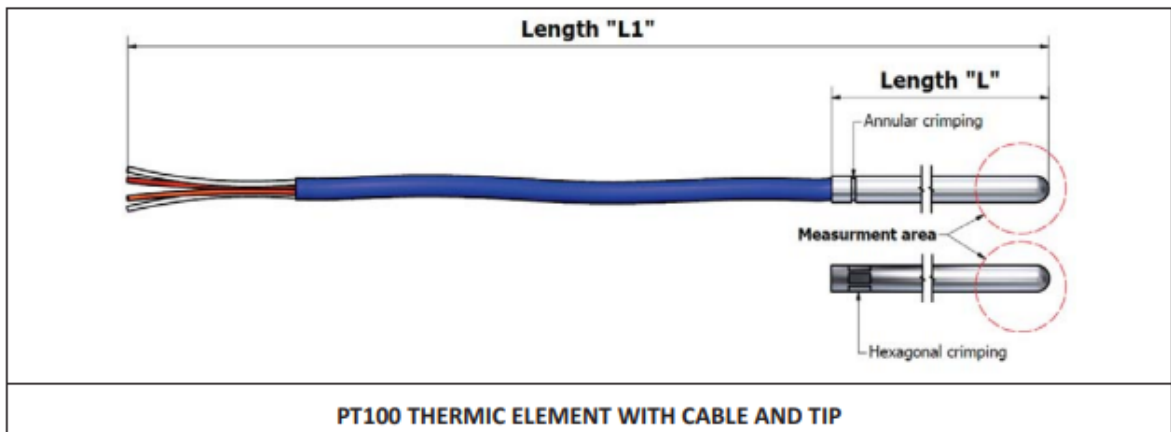
Other dimensions:

Range	-50°C / +200°C			-50°C / +250°C	0°C / +400°C
Diameter / Length	2m	2,5m	3m	2m	3m
3mm	-		-	457-3710{3Fils} 370-6571{4Fils}	-
6mm	457-3631{2Fils} 373-0372{3Fils}	547-7304 〈Ex〉	547-7758 547-7556	-	457-3647