

## 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

<b>Sensor Type</b>	PT100
<b>Probe Material</b>	Stainless Steel
<b>Number Of Wires</b>	3
<b>Accuracy</b>	IEC 60751 Class A
<b>Construction</b>	Cable 2 conductors, section 0.22mm <sup>2</sup> , isolated Silicon
<b>Tolerance</b>	±0.15+0.002.[t°c]
<b>Head Type</b>	KNE Aluminium Alloy, IP68
<b>Applications</b>	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

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

## Operation Environment Specifications

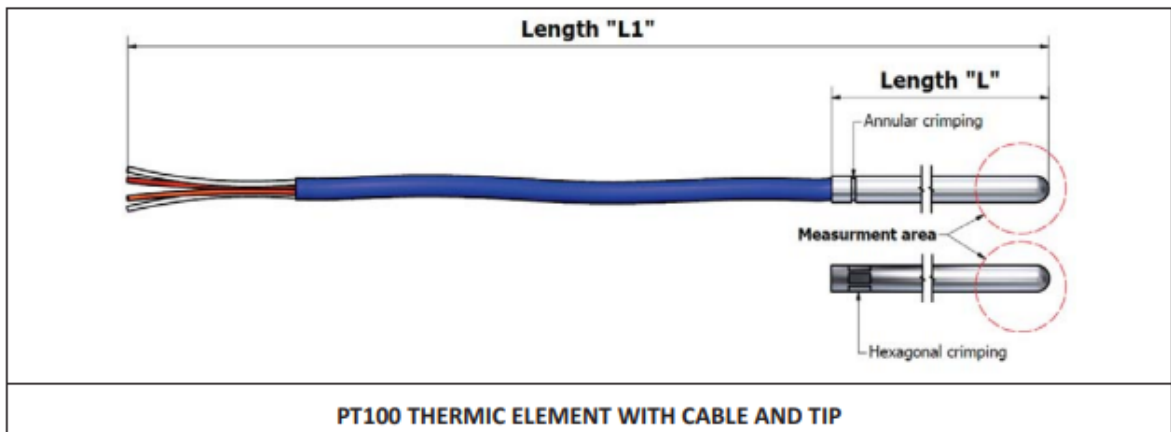
Minimum Temperature Sensed	-25°C
Maximum Temperature Sensed	-250°C

## Approvals


Compliance/Certifications	IEC
Hazardous Area Certification	IEC 60751



RS Stock No. 373-0372



Other dimensions:

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