FEATURES

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

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

- **Adjustable bayonet fitting**

- **Rigid 316 corrosion resistant stainless 6mm diameter steel sheath for protection of sensing element**

- **Leads with durable fibreglass insulation and a rugged stainless steel over braid**

- **3 lead wires for an accurate reading**

RS PRO 3 wire PT100 Sensor, -50°C min +250°C max, 35mm Probe Length x 6mm Probe Diameter

RS Stock No.: 370-6593

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 316 stainless steel sheath and a bayonet fitting feature. The leads have a durable fibreglass insulation and are covered with a rugged stainless steel over braid. 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	3 Fils assembly, Obstruct tube Ø6x35mm in 316L SS, Thread ½'' GCY, Bayonet lock Ø10.5 x 14 mm in 316L SS, compression sprint assembly
Tolerance	±0.30 + 0.005.[t°
Applications	These bayonet style PRT sensors are designed for direct installation into the process. The bayonet fitting makes them suited for applications where the probe tip is fitted directly into a drilled hole or recess in machinery. Chemical industry, Micro-electronics, Air conditioning and refrigeration, Air, gas and liquid temperature measurement, Food processing, Laboratories

Electrical Specifications

Ice point resistance	100Ω

Mechanical Specifications

Probe Length	35mm
Probe Diameter	6mm
Termination Type	Cable
Cable Length	2m
Process Connection	Probe
Sheath	316 Stainless steel

Operation Environment Specifications

Minimum Temperature Sensed	-50°C
Maximum Temperature Sensed	250°C

Approvals

Compliance/Certifications	IEC 60751