

Features

- Fast response time
- Range of use -50°C to $+250^{\circ}\text{C}$
- Vibration resistant
- 4 wire configurations
- 300mm extended lead lengths
- Suitable for air, surface & immersion applications

RS PRO Pt100 Platinum Resistance Thin Film Detector with extended leads, 300mm Class A

RS Stock No.: 891-9148



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Platinum Resistance Temperature Sensors



Product Description

Suitable for air, surface & immersion applications (Suitable only in dry, non-contaminating atmospheres where unprotected. Suitable protection /sheathing required for immersion into fluids, corrosive substances, processes etc.)

General Specifications

General Description	Platinum Resistance Detectors with extended leads, Thin Film
Sensor Type	Platinum Resistance, Pt100
Element	Thin Film - Pt100 Ohm
Cable Type	Teflon® insulated, stranded conductors
Cable Termination	Bare Tails
Tolerance	Class A
Standards Met	European / British Standard Conforms to IEC 60751:2008 / BS EN 60751:2008
Extended lead wire configuration	4 wire
General Description	Platinum Resistance Detectors with extended leads, Thin Film

Mechanical Specifications

Cable Length	300mm
Detector Dimensions	2 x 10mm (Width x length)

Operation Environment Specifications

Max. Temperature	+250°C
Min. Temperature	-50°C
Fundamental interval	(0°C to 100°C): 38.5 ohms nominal (100 ohms)
Ice point resistance	100 Ohms

Approvals

Standards Met	European / British Standard Conforms to IEC 60751:2008 / BS EN 60751:2008
RoHS Compliant	Yes

Ordering Information

Resistance	Detector Dimensions (Diameter x length)	Tolerance Class	Number of Wires	Lead Length/Gauge	RS Stock#
Pt100	2 x 10mm	Class B	2	300mm / 24AWG	891-9132
Pt100	2 x 10mm	Class B	2	500mm / 24AWG	891-9135
Pt100	2 x 10mm	Class B	2	1000mm / 24AWG	891-9139
Pt100	2 x 10mm	Class A	4	300mm / 26AWG	891-9148
Pt100	2 x 10mm	Class A	4	500mm / 26AWG	891-9141
Pt100	2 x 10mm	Class A	4	1000mm / 26AWG	891-9145
Pt1000	2 x 10mm	Class B	2	300mm / 24AWG	891-9154
Pt1000	2 x 10mm	Class B	2	500mm / 24AWG	891-9157
Pt1000	2 x 10mm	Class B	2	1000mm / 24AWG	891-9151

