Platinum Resistance Temperature Sensors

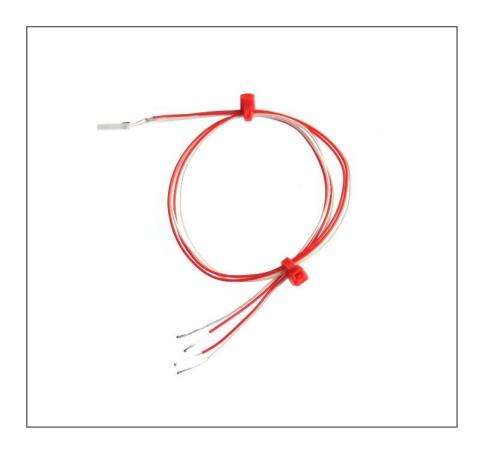


Features

- Fast response time
- Range of use –50°C to +250°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



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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

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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

