Platinum Resistance Temperature Sensors

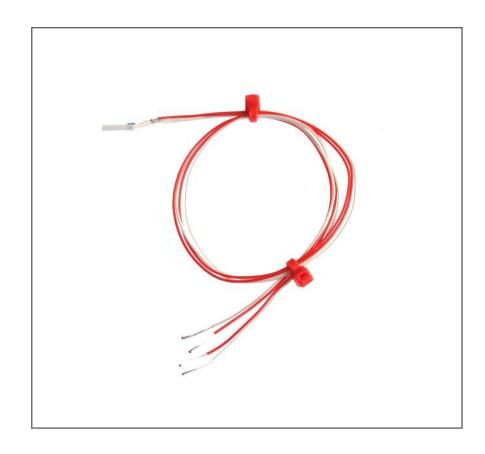


Features

- Fast response time
- Range of use –50°C to +250°C
- Vibration resistant
- 2 wire configurations
- 500mm extended lead lengths
- Suitable for air, surface & immersion applications

RS PRO Pt1000 Platinum Resistance Thin Film Detector with extended leads, 500mm Class B

RS Stock No.: 891-9157



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, Pt1000 | | | |
| Element | Thin Film - Pt1000 Ohm | | | |
| Cable Type | Teflon® insulated, stranded conductors | | | |
| Cable Termination | Bare Tails | | | |
| Tolerance | Class B | | | |
| Standards Met | European / British Standard Conforms to IEC 60751:2008 / | | | |
| | BS EN 60751:2008 | | | |
| Extended lead wire configuration | 2 wire | | | |
| General Description | Platinum Resistance Detectors with extended leads, Thin | | | |
| | Film | | | |

Mechanical Specifications

| Cable Length | 500mm | |
|---------------------|---------------------------|--|
| 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 | 1000 Ohms |

Approvals

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

Platinum Resistance Temperature Sensors



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 |

