# Hermetically Sealed Wire RTD Sensor - 5m Length



## Hermetically Sealed Tip




Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockings of Thermocouple Cables. The Company has been trading since 1971 and is ISO9001 accredited.

LABFACILITY
TEMPERATURE & PROCESS TECHNOLOGY

# Datasheet

Pt100 class A 4 wire resistance thermometer

Hermetically sealed airtight tip

Suitable for insertion into liquids

Oil & Chemical resistant PFA insulation

For use in temperatures ranging from -30 to +260 Degree C

Electrically insulated tip tested to 1.0Kv as standard (can be tested at higher voltages)

4 wire flexible 7/0.2mm stranded conductors (24AWG) with 75mm tails

2.6mm nominal wire diameter

An IP67 wire RTD sensor that is hermetically sealed for use in corrosive or wet environments.

This versatile multi-purpose sensor has been specifically designed for use in and to protect against corrosion in harsh or wet environments. It has a quick response time and can be easily cleaned. The impermeable PFA insulated flexible wire RTD provides exceptional resistance to oils, fluids, gases, and chemicals and is electrically isolated.

The tip contains a Pt100 Class A detector, which is weld-sealed to give a continuous PFA coating along the entire length and provide an atmosphere that is airtight and moisture-proof .

**Typical Applications**

Pharmaceutical, Autoclaves and Sterilisation

Food & Catering

Environmental & Geothermal

Laboratory and Research & Development

**Specifications**

## Specifications

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|---|---|
| **Product Code** | XE-6382-001 |
| **General Description** | An IP67 wire RTD sensor that is hermetically sealed for use in corrosive or wet environments |
| **Sensor Type** | Hermetically sealed Pt100 class A 4 wire resistance thermometer |
| **Cable Length** | 5m |

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|---|---|
| **Cable Type** | 4 wire flexible 7/0.2mm stranded conductors (24AWG) with 75mm tails |
| **Core / Strands** | 7/0.2mm (24AWG) |
| **Termination Type** | 75mm Bare Tails |
| **Max. Temperature** | +260°C |
| **Min. Temperature** | -30°C |
| **Tolerance** | Class A |
| **Standards Met** | IP67 |
| **Important Information** | Pressure tested at 40 PSI as standard |