Ambient Air Thermocouple Sensor with Miniature Plug Type J





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.

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Datasheet

A simple plug-and-measure solution for fast ambient air temperature monitoring.

A compact exposed junction thermocouple sensor designed for fast ambient air temperature measurement. The sensor is fitted directly into a miniature thermocouple plug with a rubber strain relief grommet, leaving a short exposed welded junction for quick response to air temperature changes.
Bridging the gap between a traditional wire thermocouple and a full probe assembly, this compact sensor offers a simple, convenient solution for fast ambient air temperature measurement. Simply plug it directly into a compatible thermometer, indicator, or data logger and start taking readings immediately, no additional cables or accessories required.
Its exposed junction design provides a rapid response to temperature changes, making it ideal for engineers, technicians, and maintenance personnel who need quick, accurate spot measurements in the field, laboratory, or industrial environment.
Ideal for temperature checks in enclosures, control panels, server/AI cooling setups, laboratories and general test applications.

Key features

Compact miniature plug design

Fast response exposed junction

Approx. 5mm exposed tip

No trailing cable required

Suitable for ambient air monitoring

Specifications

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Product Code	XE-0053-001
General Description	A simple plug-and-measure solution for fast ambient air temperature monitoring
Sensor Type	Exposed Junction
Thermocouple Type	J IEC and ANSI
Cable Length	Approx 5mm exposed tip
Cable Type	PFA insulated twin-twisted lead
Core / Strands	1/0.5mm
Max. Temperature	250°C

Min. Temperature	-75°C
Tolerance	Class 1
Standards Met	IEC / ANSI
Connector Type	Plug
Connector Size	Miniature
Colour	Black