# Thermistor Temperature Sensor with Exposed Detector - 5m

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

2-wire 10K NTC exposed thermistor with a temperature range of -50 to +150°C, is a versatile temperature sensing device.

**Key Features:**

Resistance Value: 10K ohms

Type: NTC (Negative Temperature Coefficient) thermistor, meaning its resistance decreases as the temperature increases.

Temperature Range: Capable of accurately measuring temperatures from -50°C to +150°C.

Wiring: 2-wire configuration for simple connectivity.

**Applications:**

**Environmental Monitoring**

**HVAC Systems**
: Essential for regulating heating, ventilation, and air conditioning systems by providing accurate ambient temperature readings.

**Climate Control Devices**
: Used in smart thermostats and climate control units to maintain optimal environmental conditions in residential and commercial buildings.

**Industrial Processes**

**Equipment Monitoring**
: Critical for monitoring the operating temperatures of industrial machinery to prevent overheating and ensure optimal performance.

**Process Control**
: Used in various manufacturing processes where maintaining specific temperatures is crucial, such as in chemical production, food processing, and material fabrication.

**Specifications**

## Specifications

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| **Product Code** | XE-9873-001 |

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| **General Description** | Fast response, exposed detector |
| **Sensor Type** | Exposed Thermistor |
| **Thermistor** | 10K NTC Thermistor |
| **BETA 25/85** | 3977K |
| **Cable Length** | 5m |
| **Core / Strands** | 7/0.2mm |
| **Cable Termination** | Bare Tails |
| **Max. Temperature** | +150°C |
| **Min. Temperature** | -50°C |
| **Accuracy** | +/- 0.2K (over 0-70°C) |
| **Number of Wires** | 2 |
| **Series** | Exposed Thermistor Probes 10k |