

Thermistor Temperature Sensor with Exposed Detector - 500mm

XE-9870-001



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971 and is ISO 9001 accredited.

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

General Description	Fast response, exposed detector
Sensor Type	Exposed Thermistor
Thermistor	10K NTC Thermistor
BETA 25/85	3977K
Cable Length	500mm
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

Ordering Information

Type	Cable Length	Order Number
10K NTC Thermistor	500mm	XE-9870-001