Thermistor Temperature Sensor with Exposed Detector - 3m



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

Product Code	XE-9872-001

General Description	Fast response, exposed detector
Sensor Type	Exposed Thermistor
Thermistor	10K NTC Thermistor
BETA 25/85	3977K
Cable Length	3m
Cable Type	PTFE insulated twisted leads
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