Hermetically Sealed Wire Thermistor Sensor - 1m



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

Hermetically sealed 2-wire 10K NTC thermistor sensor for corrosive or wet environments (IP67 Rated)

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 -30°C to +150°C.

Wiring: 2-wire configuration for simple connectivity.

An IP67 wire 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 thermistor provides exceptional resistance to oils, fluids, gases, and chemicals and is electrically isolated.

The tip contains a 10K NTC Thermistor, 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

Product Code	XE-9874-001
General Description	An IP67 sensor that is hermetically sealed for use in corrosive or wet environments
Sensor Type	Hermetically sealed thermistor
Thermistor	10K NTC Thermistor
BETA 25/85	3977K

Cable Length	1m
Cable Type	2 wire flexible 7/0.2mm stranded conductors (24AWG) with 75mm tails
Core / Strands	7/0.2mm (24AWG)
Cable Termination	75mm Bare Tails
Max. Temperature	+150°C
Min. Temperature	-30°C
IP Rating	67
Accuracy	+/- 0.2K (over 0-70°C)
Important Information	Pressure tested at 40 PSI as standard
Series	Hermetically Sealed Thermistor Probes 10k