

NTC Thermistor Sensor with Fixed Process Connection



Made in the UK 

Description

A precision NTC Thermistor temperature probe with integral process thread supplied with 1 metre PFA flexible lead wire.

This range of 10k thermistor sensors are designed for temperature measurement of liquids and gases and have an integral threaded process connection making them easy to fit directly into your process or thermowell.

The probe features a 6mm diameter 316 stainless steel stem; available in 50, 100, & 150mm lengths below a process fitting; available from stock in ½" & ¼" BSPP supplied with a 1 metre PFA lead wire. It has fast response and an interchangeable 10k thermistor element with excellent long term stability and accuracy.

These temperature sensors can be bespoke manufactured with many options for length, diameter, process connection, lead wires and thermistor elements also available in 2.252k, 5k, 30k, 50k & 100kΩ



Specification

Product	Thermistor Sensor with Process Connection
Type (R25Ω)	10k NTC Thermistor
Temp Range	-50 to 150°C
Beta (B25/85)	3977 Ω
Accuracy	±0.2K (over 0-70°C)
Length	50, 100 & 150 as standard
Diameter	6mm
Connection	½" BSPP and ¼" BSPP
Lead wires	1 metre PFA insulated
Material	316 Stainless Steel
Part Number	NFTHR

Features

- 10kΩ NTC Thermistor as standard
- 0.2°C Accuracy
- ½" BSPP & ¼" BSPP process thread
- 316 Stainless Steel sheath
- 1 metre PFA flexible lead

Application

- Factory machinery
- Vessels & Pipes
- Process automation

For more information visit:

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Additional Information

Thermistor Resistance and Accuracy Specifications

R25(Ω)	B25/85 K	±0.1K (0~70°C)	±0.2K (0~70°C)	±0.5K (0~70°C)
2.252k	3977	232SP - E050	232SP - F050	232SP - G050
3k	3977	302SP - E050	302SP - F050	302SP - G050
5k	3977	502SP - E050	502SP - F050	502SP - G050
10k	3977	103SP - E050	103SP - F050	103SP - G050
30k	4262	303SP - E050	303SP - F050	303SP - G050
50k	4262	503SP - E050	503SP - F050	503SP - G050
100k	4262	104SP - E050	104SP - F050	104SP - G050

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