

NCSTEO1 Outdoor Temperature Sensor



Product Description

Outdoor Temperature Sensor

The outdoor temperature sensor NCSTEO1 is an accurate NTC10 type temperature detector, designed specifically for outside air temperature measurement. Temperature is detected by an NTC thermistor with nominal resistance of 10 k Ω / 25°C.

Projection

The sensor comes in a robust, weather-proof (IP54) plastic housing.

Installation

The sensor is very easy to install. The screw cover and the terminal blocks tilted to 45° support easy installation. The sensor is mounted on the wall with screws through the lugs on the bottom.

Features & Benefits

- ▶ Accurate NTC10 Type Thermistor with Nominal Resistance of 10 k Ω / 25°C
- ▶ Robust Weather-Proof Enclosure
- ▶ Easy to Install

Temperature / Resistance Table

C	NTC 10 / Ω	C	NTC 10 / Ω
120	389.0	25	10000.0
100	680.0	20	12490.0
90	917.7	15	15710.0
80	1258.0	10	19900.0
75	1480.0	5	25400.0
70	1752.0	0	32650.0
65	2082.0	-5	42340.0
60	2488.0	-10	55330.0
55	2968.0	-15	72980.0
50	3603.0	-20	97070.0
45	4368.0	-25	130400.0
40	5327.0	-30	177000.0
35	6532.0	-40	336500.0
30	8057.0	-50	670100.0

Technical Information

Sensor	10 k Ω Thermistor Element
Nominal Resistance	10 k Ω / 25 °C
Range	-50 ... 50 °C
Accuracy	\pm 0.2 °C / 25°C
Cable Gland	M16
Mounting	With screws on wall, external lugs; \emptyset 4.5mm screws, hole distance 82 mm
Enclosure	Plastic (<120 °C)
Protection Class	IP54, cable downwards

Ordering Codes

NCSTEO1

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