

Outdoor Air Temperature



The outdoor air temperature sensor is designed to handle the worst that Mother Nature has to offer. The solar shield, waterproof seal and non-corrosive material withstands the effects of wind, sunlight, and temperatures between $-50...70^{\circ}\text{C}$.

- ◆ Rugged construction
- ◆ Cost effective
- ◆ Solar shield

Technical Data

Wire: 22AWG, PVC/PVC

Lead length:

- 20" long without outer PVC jacket
- 240" long with outer PVC jacket

Sheath material: 316 stainless steel

Sheath diameter: 1/4"

Sheath length: 3 1/2"

Sensor type: Pt100 RTD, Pt1000 RTD, 10K Thermistor

Accuracy:

- Pt100: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- Pt1000: +/- 0.3°C, DIN EN 60751 (according to IEC 751)
- 10K: +/-0.2°C (0...70°C), NTC standard

Operating temperature: $-50...70^{\circ}\text{C}$

Enclosure: PVC solar shield

Industry Usage

HVAC, Energy management, Building automation

Ordering Data

TS-O- (sensor type)- (sensor value)

R = RTD 100 = 100 ohms

 1000 = 1000 ohms

T = Thermistor 10K = 10 000 ohms