

Temperature - Humidity Sensors

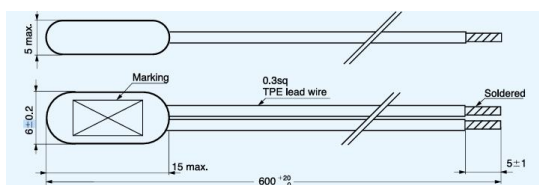
Technical Specifications

Sensor Specification

Temperature Sensor Specification

Type	NTC sensor with high sensitivity, ideal for cold storage and precision monitoring environments.
Temperature Range	-40°C to +60°C
Temperature Accuracy	±1°C across the full measuring range
B Value	3435 K +/- 1°C
Casing & Cable	The temperature sensor is encased in epoxy resin for enhanced durability and environmental resistance, with a Teflon-coated wire for added protection and flexibility
Response time	Quick response time to capture real-time fluctuations and provide accurate readings to the cloud.
Mounting	Wall / Ceiling-mountable for optimal air temperature measurement, ensuring data represents true ambient conditions.
Dimensions	<ul style="list-style-type: none"> Casing length: 15 mm (max) Casing diameter: 6 ± 0.2 mm Maximum overall height: 5 mm Lead wire length: 600 mm (+20/-0 mm) Soldered wire end: 5 ± 1 mm

Lead Wire 0.3 sq TPE lead wire



Humidity Sensor Specification

Type	Capacitive humidity sensor designed for continuous environmental monitoring
Humidity Range	0-100% relative humidity, ensuring it can capture variations across the entire humidity spectrum.
Humidity Accuracy	High accuracy of ±2-3% RH, suited for applications that require strict humidity control.
Operating Condition	Suitable for use in various environments, including high-moisture areas like cold rooms or refrigerated storage.
Casing	Enclosed in a casing that protects against dust, moisture, and accidental contact, ensuring stability and reliable operation over time.
Drift Stable	Wide Sensor Area
Mounting	Wall / Ceiling-mountable to avoid interference from localized conditions
Dimensions	88mm (L) 18mm (Ø)



Power Supply

External 12V DC, 1 Amp, with low power consumption design for efficient energy use.

Conductor: High conductivity, bare annealed copper flexible conductor, EC copper class 5 and class 6, generally conforms to IEC 60225, DIN VDE 0281

Insulation: PVC insulated and PVC sheathed

Color Code: 3 PIN: Red, Black, Yellow/Green