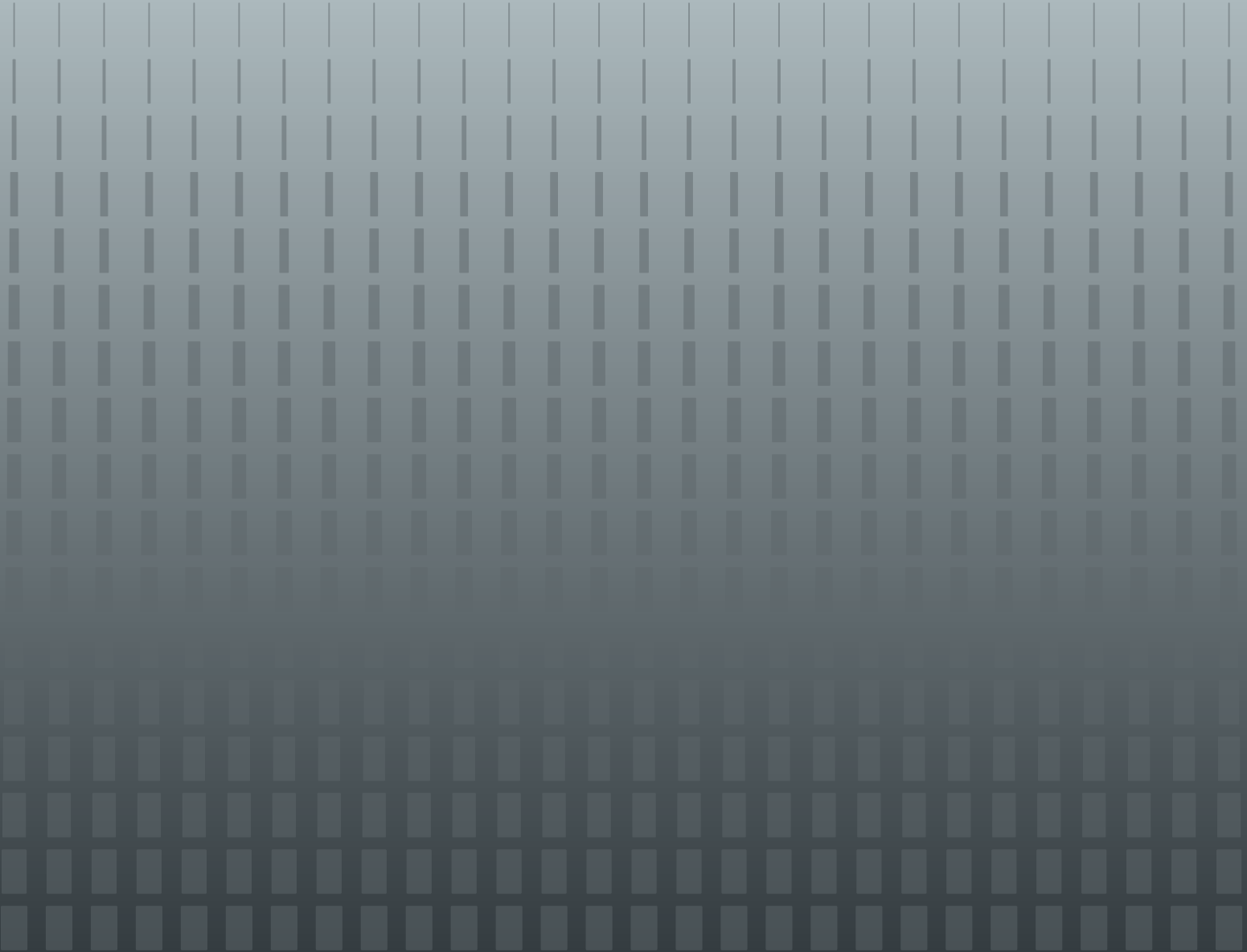


Temperature Humidity Sensor Specifications





Temperature
Humidity
Sensor

Specifications

2025



Features

Hub-Dependent Connectivity	Connects to the internet via a DOOR Hub, not directly via WiFi or local network
Temperature & Humidity Monitoring	Provides real-time and historical data on ambient temperature and humidity, with $\pm 0.2^{\circ}\text{C}$ and $\pm 2\%$ typical accuracy in normal ranges
Built-In Display	LCD screen shows live readings, signal strength, battery level, and unit settings ($^{\circ}\text{F}/^{\circ}\text{C}$)
Outdoor-Ready Design	IP63-rated housing protects against dust and light rain, suitable for shaded or semi-exposed outdoor placements
Smart App Integration	Full control and data access via the DOOR App, including alert configuration, automation, and historical chart exports
Multiple Mounting Options	Can be installed using magnets, screws, nails, or adhesive (Velcro or tape); includes removable battery/mounting cover
Alerts	Supports app-triggered notifications via push, email, or SMS for temp/humidity thresholds
Battery Operated	Uses 2 $\times$ AA lithium batteries (pre-installed); supports up to 18 months runtime depending on settings and conditions
Adaptive Refresh Logic	Automatically updates readings based on temperature/humidity changes or manual button press; includes logic for varying sensitivity based on temperature range



Dimensions

Imperial	3.54 in (L) × 2.95 in (W) × 1.06 in (D)
Metric	90 mm × 75 mm × 27 mm

Specs

Standby Power Consumption	≤0.165mW
Power Supply Method	Battery Lithium Iron AA*2
Battery Voltage	DC 3V
Battery Capacity	2900mAh
Battery Life	10 Years
Alarm Voltage	3.03V
Low Voltage Disconnection Threshold	2.81V
Static Current	≤55uA
Operating Current	≤150mA
Temperature Display Resolution	0.1°F
Humidity Display Resolution	0.1%
Temperature Detection Range	-22°F - 140°F (-30°C - 60°C)
Temperature Alarm Range	-22°F- 140°F (-30°C- 60°C)
Humidity Alarm Range	0%-100 %
Measured Object	Ambient Temperature and Humidity
Calibration Range	Temperature : -9°F - +9°F Humidity : -10% - +10%
Temperature Range & Accuracy (Typical)	-22°F--4°F, ±0.9°F (-30°C--20°C, ±0.5°C) -4°F-32°F, ±0.72°F (-20°C-0°C, ±0.4°C) 32°F-140°F, ±0.36°F (0°C-60°C, ±0.2°C)
Humidity Range & Accuracy (Typical,@77°F/25°C)	10% - 90%, ±2% 0% - 10% / 90% - 100%, ±3%
Wireless Range	>300m (Open-Air)
Frequency (US Version)	LoRa frequencies: 910.3MHZ/923.3MHZ



Environmental

Operating Temperature	-22°F - 140°F (-30°C - 60°C)
Operating Humidity	≤95%RH, No condensation
Storage Temperature	-4°F - 104°F (-20°C-40°C)
Waterproof Rating	IP63