



Smart Humidity Sensor

Supervising indoor climate

Extreme temperatures and humidity levels can freeze pipes, cause leaks, encourage mold, and result in cost-intensive damage. Condensation and mold often form when rooms become too damp and humid. The Smart Humidity Sensor protects buildings and belongings by monitoring temperature and humidity levels. Additionally, it will alert the user in case indoor humidity fluctuates to undesirable levels.

By supervising the indoor climate, the wireless humidity sensor helps maintain the ideal comfort level and protects interior, electronics, musical instruments, furniture, artwork, and any other humidity-sensitive items.

People with illnesses that are affected by humidity can use humidity sensors as part of a home care solution to monitor the humidity levels in the air and know when to open a window.

Key features are:

- Humidity measurement
- Temperature sensor

Long-lasting Zigbee sensor

Readings from the sensor are sent wirelessly through a gateway to a phone or tablet. The sensor operates under the Zigbee standard, ensuring compatibility with Zigbee certified products. In order to reduce condensation levels, the Smart Humidity Sensor can be set to activate, for instance, a ventilation system, thermostat, air-condition, or portable heater.



- **Easy installation**
- **Secure communication**
- **5 years+ battery life**

The sensor features a long battery life and accurate long-range temperature and humidity reporting. The Smart Humidity Sensor includes both adhesive tape and screws, allowing the sensor to be easily mounted on the wall or on the ground, or near vulnerable and valuable items.



Smart Humidity Sensor - Technical specifications

Model number: HMSZB-110

General

Dimensions (W x H)	70 x 70 x 21 mm / 2.76 x 2.76 x 0.83 inches
Weight	27.2 g / 0.96 oz (with packaging: 114.9 g / 4.05 oz)
Colour	White
Power supply	Battery: 2 x AA, exchangeable Battery life: 5 years, reporting every 5 minutes Battery level and low battery warning can be reported
Radio	Sensitivity: -92 dBm Output power: +3 dBm
Environment	IP class: IP20 Operation temperature 0 to +50°C / 32-122°F Relative humidity 5% - 85%, non condensing

Functions

Temperature sensor	Range: 0 to +50°C / 32-122°F Resolution: 0.1°C / 0.18°F (accuracy Typ $\pm 0.5^{\circ}\text{C}$ / 1°F and Max $\pm 2^{\circ}\text{C}$ / 4°F) Sample time: config.: 2 s -65,000 s
Humidity sensor	Reporting: configurable Range: 0 to 100% rH Resolution: 1% rH (accuracy $\pm 3.5\%$ rH, 20 - +80% rH)

Communication

Wireless protocol	Zigbee Home Automation Zigbee end-device
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Certifications

Conforming to CE, FCC, IC, ISED, RED and RoHS directives
Zigbee Home Automation 1.2 certified

