



## Humidity Sensor

### Monitoring humidity levels

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 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.

Key features are:

- Humidity sensor
- Temperature sensor

### Supervising indoor climate

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.

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 Humidity Sensor can be set to activate, for instance, a ventilation system, thermostat, air-condition, or portable heater.



**Long battery lifetime**  
**Easy installation**  
**Secure communication**

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



## Humidity Sensor - Technical specifications

Model number: HMSZB-110

### General

Dimensions (W x H)	70 x 70 x 21 mm
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 Relative humidity 5% - 85%, non condensing

### Functions

Temperature sensor	Range: 0 to +50°C Resolution: 0.1°C (accuracy ± 0.5°C 0 to +40°C) Sample time: config.: 2 s -65,000 s Reporting: configurable
Humidity sensor	Range: 0 to 100% rH Resolution: 1% rH (accuracy ± 3,5% rH, 20 to +80% rH)

### Communication

Wireless protocol	Zigbee Home Automation Zigbee end-device
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### Certifications

Conforming to CE, RoHS and REACH directives