

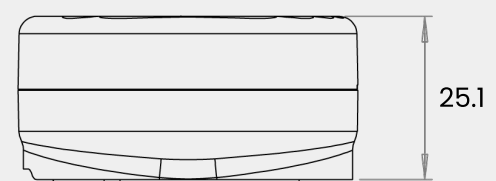
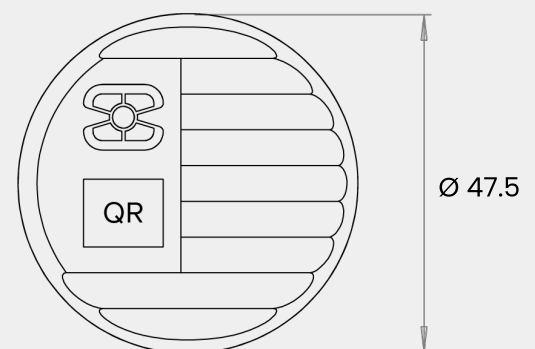
into® Sensor Wood



The into® Sensor Wood measures ambient temperature, humidity and WME – moisture content in wood, using three different types of sensors. It wirelessly transmits the data to our cloud application, into® Control System (iCS), through a Gateway, using encrypted and secure technology. In iCS, the data is processed with machine learning. If the system detects abnormal moisture levels or an immediate leak, it alerts the relevant users. The into® Sensor Wood functions as a data logger, recording all values at specified intervals and transmitting the readings based on the selected mode. The logging interval for temperature and humidity is every 30 minutes, while WME logging can be set between 3 - 12 times per day. To simplify installation, all into® products come with double-sided tape and an integrated QR code.

Features

- Robust design, IP67-rated
- Long battery life, up to 30 years
- Wireless range, approximately 200 m
- WME electrode mounting adaptor
- Automatic activation via magnet
- Installation through QR code
- Easy mounting with double-sided tape



Specifications

Temperature Range	(-40) – (+85) °C
Dimension	Ø47.5 x 25.1 mm (± 0.2 mm)
Battery Life	30 years (depending on WME-Mode)
Certification	CE, Batteries directive
Wireless Range	200 meters outdoor, 30 – 50 meters indoor ⁽¹⁾
Wireless Communication	2.4 GHz
Temperature Accuracy	0.01 °C (± 0.4 °C)
WME Accuracy	± 1 %
WME Range	8 – 30 %
Storage Conditions	Cool and dry, near normal room temperature

Battery life

The battery life on into® Sensor Wood depends on number of WME measurements per day.

No. of measures	3 (default)	6	12
Battery life	30 years	25 years	20 years

Significant deviations from the temperature used in battery life calculations can adversely impact the overall lifespan of the product.

Please note before attaching the sensor

1. Installing the sensor directly on a metal surface will reduce the wireless range
2. The sensor should not be placed near a magnet. It can severely affect functionality and battery life
3. Do not cover the electrodes on the WME adaptor

Associated Products

- into® Sensor
- into® Sensor Plus
- into® Gateway

Footnotes

(1) : The wireless range is dependent on building structure and line of sight.

Environmental factors: The sensor is designed to handle heavy stress, but exposure to environmental factors such as strong sunlight, mechanical stress, solvents, strong magnetic fields and extensive temperature variations will impact lifetime.

- **Water:** The sensor is waterproof, but should not be used in applications where the sensor is submerged or exposed to extremely high humidity over prolonged periods of time. Long time exposure to water or humid air close to condensation, in particular in combination with elevated temperatures, will result in water ingress and reduced sensor lifetime.

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