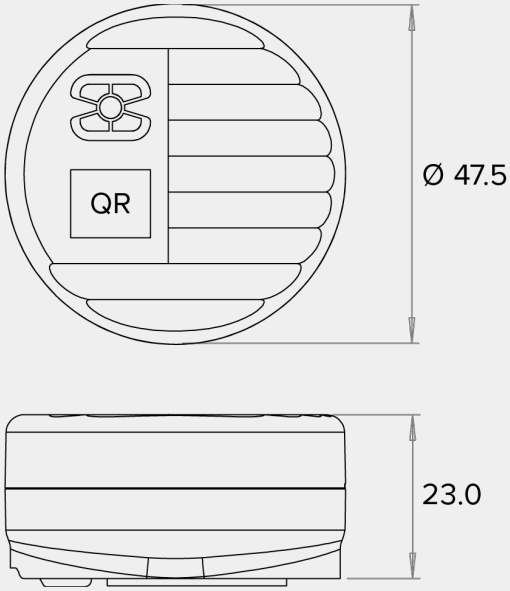
into® Sensor Wood

The into® Sensor Wood measures the surrounding temperature, humidity and WME – moisture content in wood, through three different types of sensors. It transmits the data wirelessly to our cloud application into® Control System (iCS) through a Gateway using encrypted and secured technology. In iCS the data is processed with machine learning and if the system finds an abnormal moisture value or an immediate leakage it warns the involved users. The into® Sensor Wood is configured as a data logger reading all these values in specified intervals and transmits the data to the cloud application. The logging interval for temperature and humidity is every 30 minutes, while WME logging can be set dynamically between 3 - 12 times per day. To ensure a simple installation all into® products have a double-sided tape and QR-code.

Features

- Robust design, IP67
- Long battery life
- Wireless range of 200 meters
- Automatic activation by magnet
- Installation by QR-code
- Easy mounting by double-sided tape



Specifications

Temperature range	-40 – 85 °C
Dimension	Ø47.5 x 23.0 mm (± 0.2 mm)
Battery life	30 years (depending on 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 %

Battery life

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

No. of measures	*3*	*6*	*12*
Battery life	*30 years*	*25 years*	*20 years*

Associated products

into® Sensor Plus

into® Sensor

into® Gateway

into® Bracket

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 and extensive temperature variations will impact lifetime.
Water: The sensor is waterproof, but should not be used in applications where the sensor is submerged. Long time exposure to water will result in water penetration and reduced sensor lifetime.

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