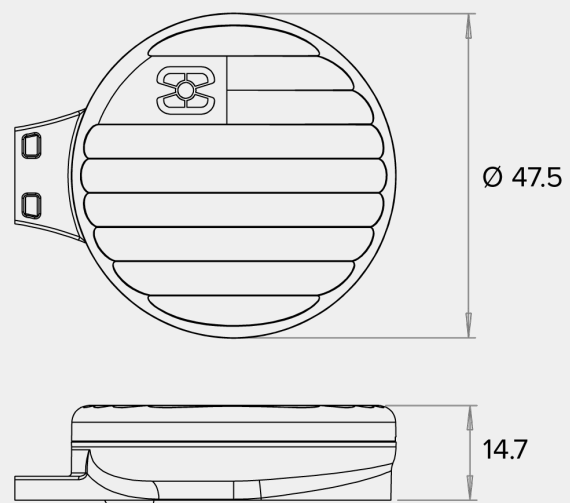# into® Sensor

The into® Sensor measures ambient temperature, humidity, and water 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 functions as a data logger, recording all values at specified intervals and transmitting the readings based on the selected mode. The logging interval can be configured from as frequently as every 1 minute to every 15 minutes. 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 10 years
- Wireless range, approximately 200 m
- Extendable water sensor with optional sensor tape
- Automatic activation via magnet
- Installation through QR code
- Easy mounting with double-sided tape

Ø 47.5

14.7

Specifications

Temperature Range	(-40) – (+85) °C
Dimension	Ø47.5 x 14.7 mm (± 0.2 mm)
Battery Life	+10 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)
Humidity Accuracy	0.025 % RH (± 3 % RH)
Storage Conditions	Cool and dry, near normal room temperature.

Mode

The logging interval refers to how often the sensor measures its surroundings.

	Feature	Log interval	Battery life	Instant warning
1	Normal	15 min	+10 years	No
2	Instant	1 min	10 years	Yes

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.

Associated Products

- into® Sensor Wood
- 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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