

# XT-TREE

**THE MOST PRECISE, EASY TO USE AND ENERGY EFFICIENT: SUBSTRATE MOISTURE SENSOR FOR GROWERS AND LANDSCAPERS**

XT-Tree is a moisture sensor that measures within 4 layers of your substrate: the Volumetric Water (VWC)

The device is also equipped with a light and soil temperature sensor. It operates completely independent immediately after being inserted into the soil. The device sends data via the worldwide Sigfox and various LoRa WANs.

A real fully hybride end solution.



Interested or have any questions?

Contact us!

[www.info@tentaclesiot.com](mailto:www.info@tentaclesiot.com)



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## Product

XT-Tree Substrate moisture sensor. In any substrate, the sensor measures in four different layers, the volumetric water content (VWC) the temperature and the ambient light.

## Sensor

**Body dimension** 66 x 42 x 22 mm (Height x Width x Depth)

**Sensors** 4 layers Substrate moisture (VWC), Substrate temperature, Light

**Substrate temperature** -20 - 65 °C ±2 %

**Light** 0 - 150k lux ±5 %

**Moisture** min 0.4 % (depends on substrate texture and insertion)

**Installation depth** sensor can be buried down to 150 cm

## Data

**Sampling rate** configurable from 5 minutes up to 4 hours (battery saving)

**Measurement configuration** sampling rate, sensor usage, measurement accumulation

**Configuration gate** [admin.mytentacles.com](http://admin.mytentacles.com)

**Data access** [dashboard.mytentacles.com](http://dashboard.mytentacles.com)

**Configurable webhook** [admin.mytentacles.com](http://admin.mytentacles.com)

## Specifications

**Battery life** up to 15 years (depends on sampling and message rate)

**Antenna-type** Omni whip cable fixed

**Operating temperature** +5 - 65 °C



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