

SOIL4XT-D

PRODUCT INFORMATION



TENTACLES
IoT

DESCRIPTION

Soil4XT-D is a moisture sensor for measuring the Volumetric Water Content (VWC) in various soil types. The device is also equipped with a light and soil temperature sensor.

It is fully capable of operating completely independently immediately after being inserted into the soil. The device sends measured data via the worldwide Sigfox network and does not need any additional gateway.

SPECIFICATIONS

Parameter name	Value
Product name	Soil4XT-D Substrate moisture sensor
Product description	The device measures volumetric water content (VWC) in substrate and the ambient temperature and light.
Body dimensions (without probes)	66 x 42 x 22 mm (Height x Width x Depth)
Sensors	Substrate moisture (VWC), Substrate temperature, Light
Substrate temperature sensor	-20 – 65 °C ±2 %
Light sensor	0 – 150k lux ±5 %
Moisture sensor (VWC)	min 0.4 % (depends on substrate texture and insertion)
Substrate probe length	58 mm
Sampling rate	Configurable from 15 minutes up to 4 hours (battery saving)
Measurement configuration	Sampling rate, Sensors usage, Measurement accumulation
Configuration gate	admin.mytentacles.com
Data access	dashboard.mytentacles.com and Configurable webhook via admin.mytentacles.com
Battery life	Up to 15 years (depends on sampling and message rate)
Antenna type	Omni Whip detachable
Operating temperature	+5 – 65 °C