

# Soil moisture sensor with Watermark-sensor



LoRaWAN compatible soil moisture sensor provides information about when irrigation is needed, not when you think. This will optimize your working hours and reduce costs. Control the moisture of the soil and adjust watering as needed. Unnecessary irrigation costs time and energy, and nutritional leakage may affect the environment and will not benefit the plants. The sensor is delivered with pre-installed battery for 5-10 years life expectancy when measuring once per hour, with good signal strength.

## Technology

The sensor consists of a unit with replaceable battery, and with one or two soil moisture sensors. They can measure soil moisture at two different depths, independently of each other, or for two different plants. Measurements are transferred with LoRa technology, which provides reaches of up to 15 kilometers in line of sight. Outdoors in urban environment 3-5 km. The product requires an existing LoRaWAN network or a Smart Gateway from Sensefarm.

### SOIL MOISTURE SENSOR

Model	CUBE01-SM
Sensor	Watermark
Measurement span	0-200 kPa
Battery life	5-10 years (2.4 - 19 Ah)
IP-classification	IP64
Dimensions	W 84 x H 114 x D 55 mm
Cable length	1.5 or 4.5 m