

Soil sensor



Datasheet

Monitor the temperature and humidity of the soil in your plot and adapt your irrigation and treatments.

ADJUSTABLE DEPTH

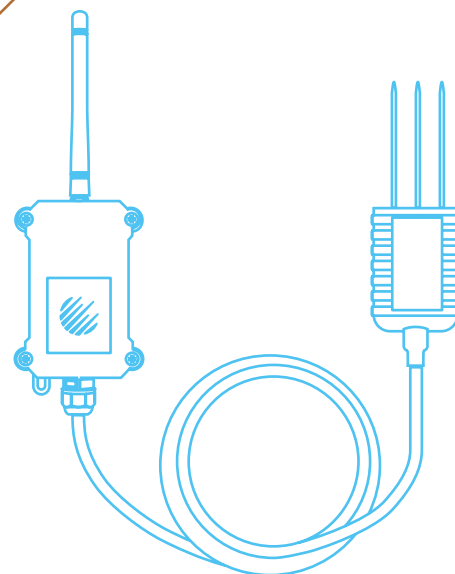
Bury your sensor to a depth of 2 metres in the soil.

TAILORED TO DIFFERENT SOIL TYPES

Thanks to its factory calibration, the sensor is adapted to saline, alkaline, loam and mineral soils.

FLEXIBLE MEASURES

Choose the uplink interval that suits your needs.



Soil sensor

Measure : Temperature

Unit	°C	Resolution	0.01°C
Range	-40 to 85°C	Accuracy	±0.3°C

Mesure : relative humidity

Unit	%	Resolution	0.01 %
Range	0 to 100 %	Accuracy	±3% (0-53%) or ±5% (>53%)

Wireless transmission

Technology	LoRaWAN v1.0.3	Radio frequency	EU868MHZ
Transmission power	25 mW (14 dBm)	Sensitivity	Up to -148 dBm
Uplink frequency	Configurable from 1 minute		

Power supply

Voltage	2.1V ~ 3.6V	Battery technology	Li / SOCl2
Capacity	4000 mAh	Power consumption	12 µA with an uplink interval of 10 minutes
Battery lifetime	Up to 10 years with an uplink interval of 10 minutes		