

LoRaWAN Sensor Device

Soil Moisture & Temperature Profile



Sensors

Sub-Surface 600mm

Profile with 6x capacitance-based soil moisture and soil temperature sensor

Temperature
Resolution: 0.1 °C

Moisture
Resolution: 0.01 (1%)

5m cable, longer cable on request

Custom profile configuration and length on request

LoRaWAN specifics

Device class A

Over the air activation (OTAA)

Adaptive data rate (ADR)

Frequency bands:
EU868 MHz (EU Version), US915MHz (US Version),
or AU920 (Australia Version)

Input Sensitivity: -148 dBm (EU Version)

Supply

Internal battery 2 x C-type Alkaline
Integrated sensor supply

Operating conditions

-30°C to 60°C
100% RH

Weight

250g w/o batteries

Dimensions

LoRaWAN sensor device: 80 x 135 x 70 mm
Sensor: 21 mm diameter, 73 mm length

Enclosure

Weatherproof, impact and UV- resistant polycarbonate enclosure

Dimensional drawings (only enclosure)

