



Cital LoRa Soil

LoRaWAN soil sensor with IP67 housing

The LoRa Soil sensor from our partner Cital (<https://www.cital.io>) enables long-term measurements of soil data, in particular soil moisture (tensiometer) and soil temperature. It can transfer live data to any LoRaWAN network or store measured data until the device is actively read in the field or returned back to the lab.

Application

- Smart agriculture
- Large-scale gardening
- Hazard prevention / Landslide warning system

Features

- Sensing soil moisture (water tension) and soil temperature
- LoRaWAN device with logging functionality
- GPS location tracking
- Various depths (15 cm, 25 cm, 55 cm, 85 cm)
- IP67 Housing
- Encrypted data transmission
- Optional: Predictive maintenance package

Technical Details

- Operating range -20 - +60°C
- Soil moisture measurement range 0–252 cBar (kPa)
- Battery life: 2 years at 1 measurement per hour
- Supports EU868, US915, AS923 and AU915 LoRaWAN bands

Accessories

- Optional: Sensor installation tool

Upon request we will provide support for your project, both remotely and on-site.

