

Wireless Soil Moisture & Temperature Sensor

Ready-to-use wireless sensor for soil-moisture and temperature. The sensor is transmitting on event and periodically.

Powered with one D-Cell Lithium Battery

Different soil-moisture probes from 20cm to 120cm length are available.



MAIN FEATURES

- Ambient temperature
- Remote Configuration via Downlink
- Soil depth temperatures
- Soil water concentration
- Low battery warnings
- Interacts with LORANEXUS
- Powered with one D-Cell Battery

VERSIONS

Probe Size Variations: 20cm, 60cm, 80cm and 120cm

RADIO COMPLIANCE

- LoRaWAN AUS/NZ compliant RCM mark for AUS/NZ
- AS/NZS 4268, AS/NZS CISPR
- EU868, AU915, AS923 & US915



CONFIGURATION

Configuration via the network of ModBus Mapping, periodicity and data encryption. Event based or periodic transmission.



Wireless Soil Moisture & Temperature Sensor

Features

Model Name	SEN-PROBE
Frequency Band	EU868, AU915, AS923 & US915 (other frequencies on request)
Transmission Range	Urban environment radius – 15 km
WAN Protocol	LoRaWAN 1.0.2
Modulation	Based on LoRaWAN™
RF Transmitter	SX1276
Receive Sensitivity	-140 dBm
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Sensors	Ambient & Soil depth temperatures, Soil water concentration
Power Voltage	12-24 VDC - External Power Supply or Battery with Solar Option
Battery	1 non rechargeable D-Cell Lithium battery
Antenna Type	External SMA
Ingress Protection	IP67
Dimensions	L 220mm x W 110mm x H 66mm
Weight	160 g (345 incl. Batteries)
Mounting	Flanged box mounted with four screws