



EMS Brno

Data Acquisition Environment
Hardware – Software – Cloud application
www.emsbrno.cz

EMScLOUD SoilTemp 01

Main features:

- Data transmitting device with air and soil temperature
- Intended for long-term monitoring
- Low maintenance and easy installation
- Indication of tilt
- Data visualization, archiving and download fully supported by EMScLOUD
- Long battery lifetime



Brief specifications:

- Air temperature range -40 to 60 °C
- Soil temperature range -20 to 80 °C
- Temperature resolution ± 0.15 °C
- Measuring interval 20 min
- Sending interval 60 min
- Battery lasting at least 2 years

General description

EMScLOUD SoilTemp 01 is IoT device equipped with two temperature sensors – one is built-in in the bottom end (anchor tip) of supporting pin and second in the transmitter.

Device is transmitting data via SigFox network to EMScLOUD Internet application. Data visualization, archiving and downloading is fully supported by EMScLOUD Internet application.

Specification

Measuring interval	20 min
Sending interval	60 min
Air temperature range	-40 to 60 °C
Soil temperature range	-20 to 80 °C
Temperature resolution	± 0.15 °C
Protection rating	IP68
Operating environment temperature	-40 to 60 °C (soil temp. probe -40 to 80 °C)
Operating environment humidity	0 to 100 %
Supporting pin length	150 cm
Soil temperature probe length	120 cm
Battery lifetime	at least 2 years
Battery type	SAFT LS 17500, 3.6 V, 3.6 Ah

Two-year full warranty.