



EMS Brno

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

EMScLOUD SoilSet 21

Main features:

- Data transmitting device with four soil VWC and temperature sensors SMT100
- 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:

- VWC range 0 to 100 %
- Temperature range -20 to 60 °C
- Measuring interval 60 min
- Sending interval 60 min
- Battery lasting at least 1.5 years

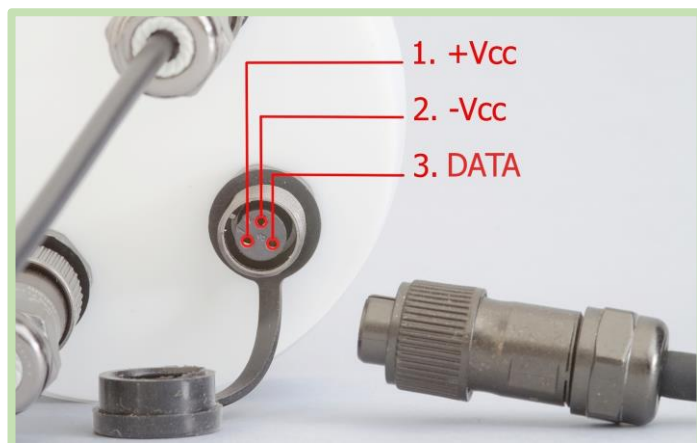
General description

EMScLOUD SoilSet 21 is IoT device with four soil volumetric water content and temperature sensors SMT100 (Treubner) transmitting data via SigFox network to EMScLOUD Internet application. Data visualization, archiving and downloading fully supported by EMScLOUD Internet application.

Specification

Measuring interval	60 min
Sending interval	60 min
VWC range	0 to 100 %
VWC accuracy	3 %
VWC resolution	0.1 %
Temperature range	-20 to 60 °C
Temperature accuracy	0.2 °C
Temperature resolution	0.08 °C
Protection rating	IP68
Operating environment temperature	-40 to 60 °C
Operating environment humidity	0 to 100 %
Size of transmitter (D x H)	90 x 115 mm
Weight of transmitter (without pin)	ca 300 g
Panel connector	3-pin WEIPU ST1213/S3
Sensor connector	3-pin WEIPU ST1210/P3
Sensors cable length	10 m
Battery lifetime	1.5 years
Battery type	SAFT LS 17500, 3.6 V, 3.6 Ah

Panel connector (female) wiring



Two-year full warranty.