



EMS Brno

Data Acquisition Environment  
Hardware – Software – Cloud application  
[www.emsbrno.cz](http://www.emsbrno.cz)

## EMScLOUD RainSet 02

### Main features:

- Precipitation and temperature sensor transmitting data to internet intended for monitoring in remote localities
- Supported by Sigfox IoT network
- Low maintenance and easy installation
- Indication of tilt
- Data visualization, archiving and downloading fully supported by EMScLOUD



### Brief specifications:

- Collecting area 200 cm<sup>2</sup>
- Precipitation resolution 0.2 mm
- Precipitation cumulative interval 10 min
- Temperature accuracy  $\pm 0.15$  deg.C
- Sending interval 60 min (10 min during rain event)
- Battery lifetime two years



## General description

EMScLOUD RainSet 02 is precipitation and temperature sensor transmitting data via SigFox network to EMScLOUD Internet application. Maximum delay of precipitation values is 10 minutes, temperature data in 20 minutes interval are refreshed each hour or together with precipitation events. Internal tip counter ensures the correct cumulative sum of precipitation independently on temporary transmission issues.

Online tilt indication continuously watches the vertical position of rain gauge.

Online indication of internal humidity warns against potential moisture in electronics.

Data visualization, archiving and downloading fully supported by EMScLOUD Internet application.

## Specification

Temperature measuring interval	20 min
Precipitation sumation interval	10 min
Sending interval	60 min (10 min during rain event)
Collecting area	200 cm <sup>2</sup>
Resolution	0.2 mm
Temperature accuracy	± 0.15 deg. C
Protection rating	IP68
Operating temperature	−40 to 60 deg. C
Operating humidity	0 to 100 %
Size (without supporting pin)	250 x 250 x 160 mm
Level of collecting area	120 cm
Weight	680 g
Battery lifetime	more than 2 years
Battery type	SAFT LS 17500, 3.6 V, 3.6 Ah

**Two-year full warranty.**