

Senstick Rainmeter SRM10

Senstick Rainmeter is a LoRaWAN sensor, made to accurately measure consumption of rainfall. It is designed to operate autonomously for several years. It is suitable for wide variety of applications where accurate data readings are needed.

Key features

- Accurate readings
- Manipulation alert
- No maintenance
- Easy installation

Applications

- Rainfall Metering



Technical specification



Enclosure	
Weight	500g
Dimensions	Φ165 x 255mm
Materials	ABS Plastic (White)
Configuration	
Sending Interval	1h (Configurable with NFC or Downlink)
No Activity Interval	24h (Configurable with NFC or Downlink)
Current Meter Value	Configurable with NFC or Downlink
Leakage Alert	Configurable with NFC or Downlink
Manipulation Alert	Configurable with NFC or Downlink
Operating conditions	
Temperature	-20°C to +60°C
Humidity	0 to 100% RH
IP Rating	IP67
Power supply	
Power Supply type	1x 1.5V AA Battery (Lithium recommended)
Expected operation	Up to 10 years

Sensors

Rainfall metering

Configuration 0.2 mm per tip/pulse

Accuracy $\pm 2\%$

Connectivity LoRaWAN

Wireless Technology LoRaWAN® 1.0.3

Wireless Security LoRaWAN® End-to-End encryption (AES-CTR), Data Integrity Protection (AES-CMAC)

LoRaWAN Device Type Class A - End-device

Supported Regions US902-928, EU863-870, AS920-923, AU915-928

Link Budget 137dB (SF7) to 151dB (SF12)

RF Transmit Power 14dBm (Region specific)

