

Rain Gauge

WSS-01



Overview:

WSS-01 RS485 Rain Gauge is a weather monitor instrument to monitor rainfall.

WSS-01 uses a tipping bucket to detect rainfall. The tipping bucket use 3D streamline shape to make sure it works smoothly and is easy to clean.

WSS-01 is designed to auto support the Dragino Weather station solution. Users just need to connect WSS-01 RS485 interface to WSC1-L. The weather station main processor WSC1-L can auto-detect and upload the rainfall to the LoRaWAN Server.

The tipping bucket of WSS-01 is adjusted to the best angle. When installation, user just needs to screw up and adjust the bottom horizontally.

WSS-01 package includes screw which can be installed to ground. If user want to install WSS-01 on pole, they can purchase WS-K2 bracket kit.

Features:

- RS485 Rain Gauge
- ABS enclosure
- Horizontal adjustable
- Small dimension, easy to install
- Vents under funnel, avoid leaf or other things to avoid rain flow.

Specification:

- Resolution: 0.2mm
- Accuracy : $\pm 3\%$
- Rainfall strength: 0mm ~ 4mm/min (max 8mm/min)
- Input Power: DC 5~24v
- Interface: RS485
- Working Temperature: 0 $^{\circ}\text{C}$ ~ 70 $^{\circ}\text{C}$ (incorrect below 0 degree, because water become ICE)
- Working Humidity: <100% (no dewing)
- Power Consumption: 4mA @ 12v.

Order Part:

- WSS-01 : Rain Gauge
- WS-K2 : Bracket Kit for Pole installation