Tipping Rain Gauge

Product model: SEN101-2008

SEN101-2008 Tipping Bucket Rain Gauge is a device used to measure rainfall in nature. It converts rainfall into digital information output in the form of switching value to meet the needs of information transmission, processing, recording and display. It can be widely used in small meteorological stations, hydrological stations, agriculture and forestry, etc. The relevant departments are used to measure precipitation, precipitation intensity, precipitation time, etc.

Features



- ☑ High precision and good stability.
- ☑ The mesh of the funnel is designed to prevent debris such as leaves from blocking the rainfall.
- ☑ Flip parts are sensitive to flip, stable performance and reliable work.
- ☑ Stainless steel shell, exquisite appearance and good quality.
- ☑ The rain-bearing mouth is made of stainless steel skin, which has high smoothness and little error in stagnation.

Scope of application

- ◇ Meteorological (station) station, hydrological station
- ◇ Environmental protection, flood control and drainage
- ◇ Used by agriculture, forestry and other relevant departments to measure precipitation

Technical parameter

Rain opening size	φ200mm	Sharp edge	40~45°
Rain intensity range	≤4mm / min (Allowed to pass the maximum rain intensity of 8mm / min)	Resolution	0.2mm
Supply voltage	12~24VDC	Accuracy	⩽±3%
Sending method	Two reed switches or on and off signal output	Ambient temperature	-10~50℃
Relative humidity	< 95%(40℃)	Size	Φ216 x 460mm

	Signal mode	
Output signal	Voltage signal 0.4~2VDC	Corresponding to 0~2000mm
	Current signal 4 ~ 20mA	Corresponding to 0~2000mm
	Pulse signal (pulse)	1 pulse represents 0.2mm rainfall
	Digital signal (RS485)	Corresponding to 0~2000mm,Standard MODBUS-RTU protocol,9600 baud rate; Check digit: none, data digit: 8 digits,Stop bit: 1 (Address defaults to 01)