

Rain Gauge DIG-RG-G2



Description

The Rain gauge type tipping bucket rainfall sensor is a hydrological and meteorological instrument, used to measure the rainfall in nature, and at the same time convert the rainfall pulse into a measure signal.

It is composed of rain receiver parts and metering parts. The rain-bearing mouth adopts $\varphi 110\text{mm}$ caliber. This instrument is a one-time measurement of precipitation. The core component of the instrument, the tipping bucket, adopts a three-dimensional streamlined design, which makes the tipping bucket more smooth, and has the functions of self-cleaning dust and easy cleaning.

Notable features are:

- Small size and easy installation
- High precision and good stability
- The rain-bearing mouth is made of ABS engineering plastic injection molding, with high smoothness and small errors caused by stagnant water

Technical Specifications

Measured Variable	Value
Rain inlet size	110 mm
Rain Intensity Range	0~4mm/min
Resolution	0.5mm
Response Time	<1 s
Accuracy	2%

Electrical Specifications

Aspect	Specification
Supply	12-24 VDC
Output	MODBUS-RTU/RS485
Power	<10mA@24V
Operating Temp and RH	-40 a 80°C /0 to 100% RH
Main Material	ABS
IP Protection	IP67

Electrical Connections

Cable	RS485
Brown	Power positive (10-30VDC)
Yellow	RS485A
Black	Power Negative (0V)
Blue	RS485B

Installation



Warranty

This product is warranted to be free from defects in materials and construction for a period of 12 months from the date of delivery. The supplier's liability is limited to the repair or replacement of the defective item.