

[Product Description]

- Can simultaneously measure and read: instantaneous rainfall (1 minute) /10 minutes/1 hour/3 hours/6 hours/12 hours/24 hours.
- Instantaneous rainfall: Update the value immediately, take the data of the last 10 minutes, divide the data of each minute by the corresponding duration minutes and add up the total. °
- 10-minute rainfall: Update the rainfall of the previous 10 minutes every 10 minutes
- 1-hour rainfall: Update the rainfall of the previous hour every 10 minutes
- 3-hour rainfall: Update the rainfall of the previous 3 hours every 10 minutes
- 6-hour rainfall: Update the rainfall of the previous 6 hours every 10 minutes
- 12-hour rainfall: Update the rainfall of the previous 12 hours every 10 minutes
- 24-hour rainfall: Update the rainfall of the previous 24 hours every 10 minutes
- RS485 signal output, no need for data conversion.

Cylindrical
Ø216*350(mm)

[Applications] Factory pollution source assessment, weather stations, bridges, airports, smart buildings

[Optional Code]

Rain - Code 1

Code 1	Outlet mode
N	Bare Wire
C	Quick Connector

[Specification]

Working power supply	9~36VDC Power consumption: $\leq 0.5W$		Operating temperature	-20°C~80°C RH100% non-condensing
Sensing principle	Tipping bucket		Rainfall intensity	0.01 ~ 10 mm / min
Hardware Specifications	Material	Stainless steel	Weight	2.2kg
	Size	Cylindrical Ø216*350(mm)	Rain-carrying diameter	200±6 mm / 314 square centimeters
	Resolution	0.5 mm	Accuracy	$\leq \pm 2\%$
Contact Specifications	Output format	Dry Contact	Contact withstand voltage	$\geq DC 300V$
	Contact time	≤ 0.1 seconds	Contact life	≥ 1 million times
Communication interface	RS-485		Communication Protocol	Modbus RTU

[Definition of rainfall]

Definition of rainfall (Heavy rain)	24-hour rainfall is greater than 80 mm or 3-hour rainfall is greater than 40 mm
Definition of rainfall (Extremely heavy rain)	24-hour rainfall greater than 200 mm or 3-hour rainfall greater than 100 mm
Definition of rainfall (Torrential rain)	24-hour rainfall greater than 350 mm
Definition of rainfall (Extremely torrential rain)	24-hour rainfall is greater than 500 mm

[Dimensions] unit:mm

Cylindrical Ø216*350(mm)

