Tipping Bucket Rain Gauge/ BKC-Rain

BKC-Rain Economical Tipping Bucket Rainfall Sensor is a hydrology, meteorological instrument used to measure the nature of rainfall, and it converts the precipitation into a pulse signal output. Designed with insect-proof nets, free blocking nozzle and built-in leveller. Combined with rainfall recorders can be used to measure precipitation, precipitation intensity, and precipitation time.



FEATURES :

- Compact size for easy use
- High accuracy, good stability
- Mesh in the funnel preventing debris such as leaves and insects from entering the working of rain sensor
- Well-made tipping bucket with low resistance.
- Horizontal Bubble in the bottom
- Outlet with insect-proof screen

Item	Specification
Measurement Principle	Tipping bucket mechanism
Senor type	Magnetic reed switch
Collection area	φ 200mm to height 350mm
Measured rainfall intensity	Max:4mm/min
Allow rainfall intensity	Max:10mm/min
Sensitivity	0.01
rainfall intensity	0.4mm
Response Time	100ms
Resolution	1 tip per 0.2mm
Accuracy	±0.5% @ 0.5 in/hr, ±1.0% @ 3.0 in/hr
Maximum load voltage	30VDC (pulse output)
Maximum load current	20mA
Operating temperature	-40 to 80 C; 0 to 100 % RH
Output	Pulses(10kΩ&0.01uF), RS485(12-24VDC supply)
Main material	Rainfall collector: 304SS , tipping bucket: ABS, Supporting leg:304SS

ISO 9001:2015

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