

# Rainfall Sensor (Tipping Bucket Type)

Model: SEN-RAIN-M

This tipping bucket rain gauge is a dependable instrument used for measuring precipitation. Rainfall that enters the 200 mm funnel collector is directed to the tipping bucket assembly. When an incremental amount of precipitation has been collected 0.2 / 0.5 mm the bucket assembly tips and activates a magnetic reed switch. The sample is discharged through the base of the gauge. a momentary electrical contact is provided for each increment of rainfall. The contact closure is used to operate a data acquisition system. A heating kit has been added at extra cost to the rain gauge to provide capability for measuring snowfall. This rainfall sensor can be easily use with any pulse counter, Data logger / event logger which can use pulse input.

## Specifications

Orifice Size: 200 mm (8")

Accuracy:  $\pm 1\%$  at 2"/hr,

maximum Sensitivity: 0.20 mm per tip

Sensor: Tipping Bucket Rain gauge.

Sensing: Magnet & Reed Switch

Capacity: Unlimited



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Output: Switch closure  
Material: (Aluminum / Stainless Steel) Metal  
Debris Filtering Screen: Provided

## Applications

- Meteorological Studies
- Hydrological Studies
- Natural disaster Monitoring
- Hydropower Stations

## Ordering Guide

Output	Tip Size	Model No.
Pulse	0.20 mm	SEN-RAIN-M-2
Pulse	0.50 mm	SEN-RAIN-M-5

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