

# Rainfall Sensor (Tipping Bucket Type)

**Model: SEN-RAIN-M**

## Description:

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

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

**Virtual**

Hydromet

1105/1, Salempur Rajputana Industrial Estate  
Roorkee - 247667, Haridwar, Uttarakhand, INDIA  
Tel-Fax:+91-7088-772-772, vhydromet@yahoo.com

Represented by:

**\*\* Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability. Customized Ranges / Resolution / Outputs of sensor are available at extra Cost**