

# Rain Gauge (WRN-1)

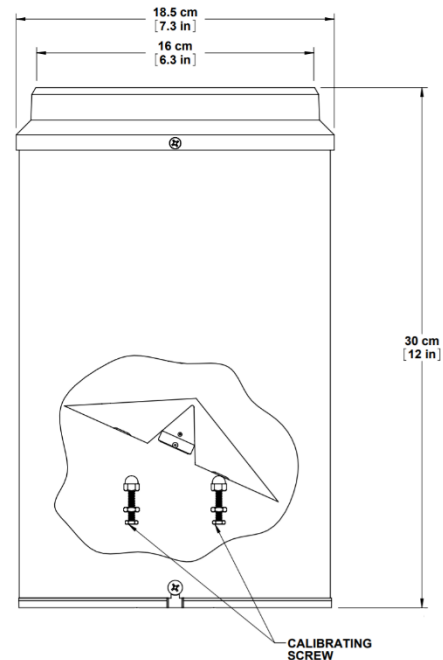
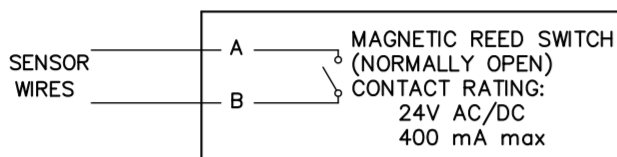
## Application

- Weather monitoring station
- Hydrological data collection
- Disaster management
- Environmental monitoring
- Climate research
- Precision / Smart agriculture
- Water supply management

**WRN-1**, A tipping bucket type rain gauge with high grade stainless steel is designed for precision measurement of precipitation. These are reliable gauges with additional inner funnel for improved accuracy at higher rain rate.

The outer body of rain gauge is made of highly polished stainless steel which have very low affinity to water.

The simplicity of design and construction assures of the tipping bucket allows easy installation and maintenance.



## Specifications

### Accuracy and resolution

- Resolution of 0.25mm
- $\pm 2\%$  for rain rate up to 25mm/hr
- $\pm 3\%$  for rain rate 25mm/hr to 50 mm/hr
- $\pm 4\%$  for rain rate 50mm/hr to 100 mm/hr
- $\pm 5\%$  for rain rate above 100 mm/hr
- Rainfall Capacity: Unlimited

### Physical / Environmental

- Collector area 200 cm<sup>2</sup>
- Collector Diameter 160 mm  $\pm 0.3\%$
- Operating 5°C to +85 °C, 0% to 100% RH
- Material: marine grade Stainless steel
- Bubble eye level attached, leveling screws
- Debris protection: stainless steel mesh filter

### Interface

- 0.1 Sec switch closure, reed switch
- Max 24V DC, 100 mA