



## Tipping Bucket Rain Gauge

### S90006

- 200 sq cm catchment area
- Accuracy: 2% up to 25 mm/hr 3% up to 50 mm/hr
- Operating Temperature: -20°C to +50°C (heated)

The design uses a proven tipping bucket mechanism for simple and effective rainfall measurement. The bucket geometry and material are specially selected for maximum water release, thereby reducing contamination and errors. Catchment area of 200 cm<sup>2</sup> and measurement resolution of 0.1 mm meet the recommendations of the WMO. Leveling screws and bullseye level are built in for easy and precise adjustment in the field. Measured precipitation is discharged through a collection tube for verification of total rainfall. This model is heated for operation in cold temperatures. An unheated version is also available for use in moderate climates. To discourage birds from perching on the funnel rim, accessory bird wire assembly may be attached to the gauge. Once the sensors are installed, there is no further need for maintenance. With permanent crops, such as trees and vines, the sensors may be left in place all winter. With annual crops, where field operations are required, removal of the sensors prior to harvest is a standard practice. If the sensors are removed, simply clean them off and store in a dry place.





## Technical Specifications

**S90006**

<b>Size:</b>	18 cm dia. x 30 cm high, (39 cm high with mounting base)
<b>Catchment Area:</b>	200 cm <sup>2</sup>
<b>Resolution:</b>	0.1 mm per tip
<b>Accuracy:</b>	2% up to 25 mm/hr 3% up to 50 mm/hr
<b>Output:</b>	Magnetic reed switch (N.O.), rating 24VAC/DC 500mA
<b>Operating Temperature:</b>	-20°C to +50°C (heated)
<b>Power:</b>	18 Watts for heater only
<b>Mounting:</b>	Clamp for 1" (1.34" dia.) iron pipe or 3 bolts on 160mm dia. circle
<b>Other:</b>	Leveling adjustment, thermostatic control for heater, intake screen