



## Tipping Bucket Rain Gauge

### S80002

- World standard 200 mm catch
- Stainless steel leaf sieve filter resists blocking
- Build-in discharge outlets at base for water collection and analysis
- Easy to service, low maintenance

The Hydrological Services Tipping Bucket Rain Gauge is a standard for measuring rainfall and precipitation in remote and unattended locations. The integrated siphon mechanism delivers high levels of accuracy across a broad range of rainfall intensities.

Each unit consists of a collector funnel with a stainless steel leaf sieve, an integrated siphon control mechanism, an outer enclosure with quick release fasteners, and base which houses the tipping bucket mechanism.

The unit includes dual output reed switches with Varistor protection, as well as dual rainfall discharge outlets for water collection and / or analysis. Insect screens are fitted to all outer openings.

The bucket tips when precipitation of 0.01 inch, 0.2 mm, 0.5 mm, or 1.0 mm has been collected. Each tip is marked by a reed switch closure and stored to a data logger and/or used by a telemetry system.





## Technical Specifications

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Receiver:	200 mm +/- 0.3 diameter with powder coated machined aluminum rim
Sensitivity:	One tip at 0.01 inch, 0.2 mm, 0.5 mm, or 1.0 mm
Measuring Range:	0 to 700 mm / hr.
Calibration:	+/- 2%, 25 to 500 mm / hr. long term stable calibration
Sensor:	Tipping bucket with siphon
Contact System:	Dual reed switches, potted in silicon rubber with Varister protection
Contact Capacity:	12 VDC, 0.5 amp maximum