



Rain Gauge Tipping Bucket Sensor

Specification

- High Impact Polypropylene Housing
- Tipping Bucket Transducer
- Dry Reed Switch
- Output Less Than 0.1 sec switch closure
- 6 to 24 VDC capacity
- Meets National Weather Service Statistical Accuracy
- Self Empty capacity tips
- Resolution 0.2mm
- Accuracy 1% at 0.5 in/hr
- Cable Length 50ft Standard

Remote Sense loggers come with the capability of connecting single or dual rain gauges sensors. The Rain Collector is a tipping bucket rain gauge designed to meet the guidelines of the World Meteorological Organisation. Rain enters the collector cone, passes through a debris-filtering screen, and collects in one chamber of the tipping bucket. The bucket tips when it has collected an amount of water equal to the increment in which the collector measures (0.01"). As the bucket tips, it causes a switch closure and brings the second tipping bucket chamber into position. The rain water drains out through the screened drains in the base of the collector.

The body and base of the collector are constructed of tough, UV resistant plastic. The tipping bucket pivots on bearings that minimise friction and wear. Stainless steel adjustment screws under each chamber of the tipping bucket allow you to fine-tune the calibration. Mounting holes are predrilled in the base and a built-in levelling trough aids in installation.



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