



RAIN GAUGE SENSOR

Part# 630-0201-100

Description

Automata's industrial tipping bucket rain gauge is constructed with anodized aluminum and stainless steel to provide years of precision recording of rainfall data.

The weight of the water required to make the bucket tip produces a momentary switch closure that is equal to 0.01 inch/0.25mm of rainfall. This momentary pulse may be used in a system to determine either rainfall amount and/or rate. The same tip that produces the pulse also dumps the bucket so that the gauge never requires emptying.

The tipping bucket sensor is mounted on stainless steel instrument bearings and housed in an anodized aluminum case. The unit has a built in bubble level to facilitate installation. An insect/debris screen is also provided.



This Rain Gauge meets the National Weather Services specifications for statistical accuracy.

Specifications	
Transducer	Tipping bucket of specially formulated plastic for low surface tension – mounted on stainless steel instrument bearings.
Switch	Dry reed switch
Output	Less than 0.1 second Per switch closure.
Resolution	0.01"/0.25mm per Bucket tip. (0.1 mm or 0.2 mm Special order)
Accuracy	0.5% at 0.5 per hour
Overall size	8.625" x 12.5"(21.9 cm x 31.75 cm)
Collector Diameter	8.625" (21.9 cm.)
Wiring	Red = Signal Black = Ground

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