

The RainWise Industrial Tipping Bucket Rain Gauge

The RainWise model RGA industrial tipping bucket rain gauge is constructed from anodized aluminum and stainless steel to provide years of precision recording of rainfall data.

The tipping bucket is molded from a specially-formulated plastic that has a very low surface tension coefficient. 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.

Mounting options include flange feet for mounting on a flat surface or the RainWise Monopod adapter which allows for easy installation and removal.

The RGA is guaranteed for five years.



Monopod mount



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" / 0.25 mm per bucket tip. 0.1 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.)



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