



RAIN GAUGES
MODEL 2501
Tipping Bucket Rain Gauge

General Description

The Model 2501 Rain Gauge was designed for the National Weather Service to provide a reliable, low-cost tipping bucket rain sensor. Its simplicity of design assures trouble-free operation, yet provides accurate rainfall measurements. The tipping bucket mechanism activates a sealed reed switch that produces a contact closure for each 0.01 in. or 1 mm of rainfall. The gauge has an 8 in. orifice and is manufactured of aluminum. Enclosure surfaces are powder coated gloss white. The funnel has a screen to prevent debris from entering the gauge. It is shipped complete with mounting brackets and 25 ft. of signal cable.

Specifications

Sensor type	Tipping bucket
Output	Momentary SPST NO pulse
Switch	Sealed reed switch
Sensitivity	1 tip per 0.01 in. or 1 tip per 1 mm
Accuracy	± 3% up to 6 in./hr.
Contact rating	3 watts, 28 Vac, 0.25 amps, 120 Vac
Size	8 in. dia x 15 in. H
Mounting	3 legs, ¼ in. diameter bolt holes on 9½ in. diameter bolt circle
Weight/shipping	6 lbs/10 lbs.



Ordering Information

2501	Tipping Bucket Gauge with 0.01 in. Calibration
2501M	Tipping Bucket Gauge with 1 mm Calibration
2501C	Sensor Cable