

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:..... $\pm 3\%$ 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, $\frac{1}{4}$ 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



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