

MODEL 2500 Tipping Bucket Rain Gauge & Electric Rain/Snow Gauge

General Description

The Model 2500 Tipping Bucket Rain Gauge is a dependable instrument used for measuring precipitation. Rainfall entering the funnel collector (8 or 12 in.) is directed to the tipping bucket assembly. When an incremental amount of precipitation has been collected, the bucket assembly tips and activates a magnetic reed switch for a momentary contact closure output. The rainfall sample is discharged through the base of the gauge. A level is provided on the base for leveling of the unit. This unit is made of anodized and powder-coated aluminum. A 25 ft. signal cable is included.

The Model 2500E Electric Rain/Snow Gauge is used where 120 Vac power is available. A heater kit is added to the basic Model 2500 Rain Gauge to melt snow falling into the funnel. The resulting “water equivalent” of the snow is measured by the tipping bucket. A 25 ft. power cable and a 25 ft. signal cable are included.

Specifications

Capacity: Unlimited

Orifice

Model 2500: 8 in. (20 cm) standard
Model 2500-12: 12 in. (30 cm) standard

Calibration: 0.01 in., 0.25 mm, 0.5 mm, or 1.0 mm
Accuracy: $\pm 2\%$ for 0 to 6 in./hr.

Output: Momentary SPST NO pulse

Size

Model 2500: 8 x 17 in.
Model 2500-12: 12 x 20 in.

Weight/shipping

Model 2500: 7 lb. / 12 lb.
Model 2500-12: 14 lb. / 18 lb.



Model 2500 Tipping Bucket Rain Gauge

Ordering Information

2500 Rain Gauge with 8 in. Orifice
2500-M Rain Gauge with 8 in. Orifice (1 mm)
2500-12 Rain Gauge with 12 in. Orifice
2500E Rain Gauge, 8 in. Electric Heated
2500E-M Rain Gauge, 8 in. Electric Heated (1 mm)
2500E-12 Rain Gauge, 12 in. Electric Heated
2500C Additional Signal Cable
2500PC Additional Power Cable