

RAIN GAUGE

JTB

Description

Rain Gauge features a proven tipping bucket design. Inside each rain gauge is a balanced "see-saw" bucket mechanism.

The bucket has a divider wall across the middle, separating it into two halves, each shaped like a miniature coal shovel, with high sides and an open end. The rain gauge's funnel top feeds rain water into one of the half-buckets. As soon as the correct amount of water has been collected, the "see-saw" tips the other way, automatically emptying the water and positioning the other half-bucket for collecting rainfall. Each time the bucket tips, .01" of rainfall is added to the accumulated total on the weather station.



8-inch diameter collector funnel, for superior rainfall sampling.
Cable lengths longer than 100 ft. available by special order.

WHY ARE THESE THE BEST TIPPING BUCKET GAUGES?

- Stainless steel tipping axle, for freer motion and greater longevity.
- Features larger-volume buckets than other tipping bucket gauges, to resist jamming (common in smaller-bucket designs) caused by dust, pollen, webs, etc. The larger the bucket volume, the more water weight "horsepower" for driving the tipping action.
- They have larger collector diameters (8 inches!) than comparable gauges. The larger the diameter, the better the sampling of rainfall.
- More accurate because of high vertical sidewalls to prevent splash-out of rain from the collector funnel.
- Each gauge is individually calibrated for optimum accuracy.
- They can be left outdoors in winter conditions without damage.

Specifications

- Type : Electronic Tipping Bucket rain gauge, US NWS compliant 8" dia (20.3cm) funnel
- Resolution : 0.01 inch (.25mm) increments
- Range : 0.00 to 199.99 inches (0.00 to 1999.9mm) accumulation
- Accuracy : $\pm 1.5\%$, at rain rates up to 0.5" (13mm) per hour
 $\pm 5\%$, at rain rates up to 5" (127mm) per hour
- Data : Today's Rainfall (since 12:00am)^{1,2}, 3-hr Change^{1,2}, Daily ainfall^{1,2} (each of previous 7 days), and Long Term ainfall^{1,2} (since user reset)
- Units : inches, millimeters
- Cable : 40 ft., 4-conductor w/modular plug termination