

Tipping Bucket Rain Gauge



Model: OTBRG

Technical Specifications:

Operational

Output : 0.1 second switch closure
Accuracy : $\pm 2\%$ at 25.4 cm/hr
 $\pm 5\%$ for rates up to 30.48 cm/hr

Dimensions

Height : 61 cm
Diameter : 20.95 cm
Weight : 2.9 Kg

Orifice Diameter : 200 MM
Collection Area : 315 cm²
Switch : Read Switch
Bearings : Sealed
Insect/Debris protection : Mesh screen as filters
Resolution : 0.2/0.25/0.5mm/tip
Material : Marine grade Stainless steel
Type : Tipping Bucket
Rain fall capacity : Unlimited

Accessories: Drain Kit, Tipping Bucket
Mounting Kit, Tipping Bucket to tower

Features:

Standard Precision Instrument for the Measurement of Rainfall Accumulation and/or Rate

- Rain enters gauge through an eight-inch orifice, protected by distortion preventing aluminium ring
- Collected water passes through debris-filtering screen and is funnelled into one of two tipping buckets inside the gauge.
- When a given amount of water collects, bucket tips (amount determined by calibration).
- Tipping causes magnet to pass over proximity switch, closing it momentarily.
- Second bucket positions under funnel for filling.
- After rain is measured, it exits through drain tubes with screen covered holes in the base of the gauge.
- Designed for many years of accurate, trouble-free operation
- Constructed entirely of stainless steel
- Stainless steel outer housing
- Built in level indicator and pre-drilled feet
- Low maintenance requirement

Applications

- Meteorological Station
- Stormwater Management



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