

Siphon Tipping Bucket Rain Gauge



Model: OTBRG-Siphon

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 : 200 mm

Orifice Diameter : 200 MM
Collection Area : 314.25 sqcm
Switch : Reed Switch
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 ring.
- Collected rainfall will flow through the filter into the Siphon mechanism before being passed into the tipping bucket Measuring System.
- 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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