

Expanded Catch Rain Gage



Description

The tipping bucket rain gage is recognized as the standard for measuring rainfall and precipitation in remote and unattended locations. The large catch of this unit is designed to give more accurate rainfall readings.

The gage is designed for many years of accurate, trouble-free operation. While typically used as an input sensor within an environmental monitoring system, this rain gage may be operated independently with an optional internal rainfall data logger.

The gage has many options, allowing you to select the features that best suit your operation.

Features

- Meets all international requirements
- Dual output signal
- Optional internal logger
- Accurate in high rainfall events

Applications

- Meteorological stations
- Hydromet stations
- Stormwater management

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Since 1911, Stevens Water Monitoring Systems, Inc. has been a leading manufacturer of:

- Water Level Sensors
- Water Quality Sensors
- Soil Moisture Sensors
- Chart Recorders
- Staff Gages
- Telemetry Systems
- Data Collection Platforms

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Technical Specifications

The tipping bucket rain gage consists of a collector funnel, a stainless steel filter and a tipping bucket mechanism. A siphon system is supplied to improve accuracy during high rainfall events.

Receiver

282.8 mm (11.1 inch) diameter with machined aluminum rim

Sensitivity

One tip at 0.1 mm

Measurements

Range: 0-700 mm/hour

Accuracy: $\pm 2\%$ 25-500 mm/hour

± 1 tip from 1-25 mm/hour

Sensor

Tipping bucket with siphon

Contacts

Type: dual reed-switch (make contact), DPST momentary

Rating: 12VA (0.5 amp max)

Duration: 0.1 second

Physical

Dimensions (excluding expanded catch):

342 mm x 229 mm (H x D), 13.5" x 9" (H x D)

Weight: 6.6 lbs or 3 kg

ORDERING INFORMATION

Contact Stevens at (800) 452-5272 to order