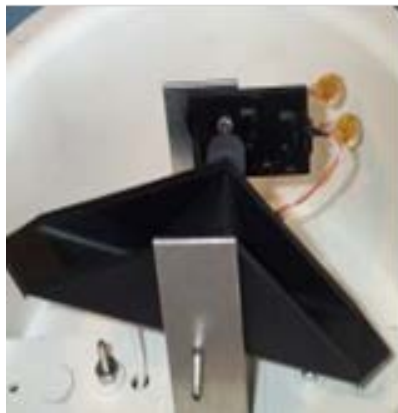


RG800 8" Rain Gauge



Description

The 8" Rain Gauge is a rugged weather instrument for monitoring rain rate and total rainfall. With minimal care it will provide many years of service. The rain gauge was designed by the National Weather Service to provide a low-cost, reliable, industrial, tipping bucket rain gauge. Its simple design assures trouble-free operation, yet provides accurate rainfall measurements. The rainfall gauge has an 8" orifice and is shipped complete with mounting brackets and 25 ft of two-conductor cable. The tipping bucket sensor mechanism activates a sealed reed switch that produces a contact closure for each 0.01", 0.2 mm or 1 mm of rainfall. The rain gauge sensor can be pole mounted or bolted to a level plate.



Tipping Mechanism

- Simple to operate and install
- Rugged design for harsh weather
- Mounting hardware included
- UV-protected plastic or aluminum

Specifications

8" Rain Gauge

Capacity: Unlimited

Resolution: 0.01 inches or 0.2mm

Accuracy: $\pm 1\%$ at 1 inch per hour

Average Switch Closure Time: 135 ms

Maximum Bounce Settling Time: 0.75 ms

Maximum Switch rating: 30 VDC @ 0.2A

Operating Temperature: 32° to +123.8°F (0° to +51°C)

Cable: 25ft (7.6m), 2 conductor

Dimensions: 10-1/8x8 inch (26x20 cm)

Shipping Weight: 8 lbs. (3.6 kg)

Options and Accessories

8" Rain Gauge

4-20mA Converter Module

Pulse to current converter. 32 pulses per minute equals 20mA.

Applications

Lift Station Inflow/Infiltration Studies

Hydrological Studies

Meteorological Studies

Insurance Documentation

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