

## G-Tek Rain Accumulator System

*G-Tek Rain Accumulator System*, is a high-end aerodynamic tipping bucket rain gauge system that has standard precision instruments for measuring rainfall volume and/or rate. Rain enters the gauge through a large funnel, the rim of which is protected by a metal ring to prevent distortion. This rain gauge contains an internal siphon mechanism that causes rain to flow at a steady rate to the tipping bucket mechanism (regardless of intensity). The siphon allows the sensor to make accurate measurements over a range of 0 to 700 mm per hour. Collected water passes through a debris-filtering screen and is funneled into one of two tipping buckets inside the gauge. The bucket tips when a given amount of water has been collected; the amount is determined by gauge calibration. As the bucket tips, it causes a 0.1 second switch closure. The tip also brings a second bucket into position under the funnel, ready to fill and repeat the cycle. After the rain water is measured, it drains out through tubes in the base of the gauge; the drain holes are covered by screens to prevent insect entry. This GT-RA01 tipping bucket is using TB4 rain gauge sensor, manufactured by HS Hyquest Solutions.

This precipitation observation system also using GT-UniLogg as the logger. GT-UniLogg is designed to record, visualize, and managing its data telemetry so it can simplify the user configuring the logger.



### SPECIFICATION

#### Tipping bucket GT-RA01

**Resolution**

0.2 mm (0.1 mm optional)

**Accuracy**

0-500 mm per hour; +/-2 %

500-700 mm per hour; +/-3 %

**Range**

700 mm per hour

**Funnel Area**

324 cm<sup>2</sup>

**Capacity**

Unlimited

**Sensor**

Reed Switch

**Material**

Enclosure: anodized and powder-coated aluminum

Base: UV-resistant ASA polymer

Bucket (spoon): chrome plated ABS-fiber

**Pivots**

Stainless steel rolling bearings on stainless spring steel axle

**Dimensions & Mass**

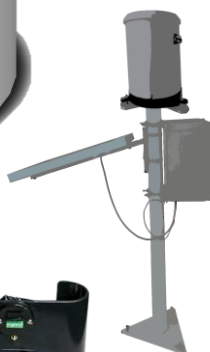
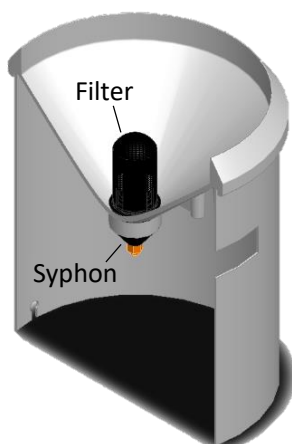
200 mm diameter catch

330 mm height

3.3 kg

**Environmental Conditions**

Operating Temperature Range: +4 °C to +70 °C; Humidity: 0-100 %



Contact Us :



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