

## Rain Gauge



The Tipping Bucket Rain Gauge is sturdily constructed from thermoplastic (optimum fiber infused) base and receiver funnel. The gauge is also fitted with a siphon to control and maintain a constant flow-rate into the bucket mechanism.

This ensures reliable rainfall recording in even the highest rainfall intensities. The tipping mechanism is manufactured with plastic and ensures that tips are accurate and consistent in volume. The tipper level and hence the volume per tip can be adjusted and fixed through a screw. Reed Contact Model is supplied with a single Reed Contact as a detector. This requires no power and is a simple two wire connection. This is usually the easiest to connect to PLCs and other Data Loggers. The bucket rests on a triangular base with Leveling screws. A steel rim encircles the bucket on the top and prevents the diameter of the bucket to vary with change in ambient temperature.

The TBRG Sensor is developed as per India Meteorological Department's requirement and to match with NIST and World Meteorological Observation Standards. This product is approved & is tested as per IMD standards

**Measuring Range:** Up to 450 mm/hr,

**Accuracy:**  $\pm 1$  tip or  $\pm 2$  % of reading whichever is the greater, at low rainfall rates.  $\pm 5$  % at rainfall rates above 300 mm/hr.

**Steel rim Diameter:** 203mm.