RAIN GAUGE

The Tipping Bucket Rain Gauge is a high-precision instrument designed to accurately measure and monitor rainfall. With an advanced design for continuous data collection, it plays a crucial role in weather monitoring, hydrological research, and environmental studies. Built with durable materials to withstand harsh weather conditions, this reliable device integrates seamlessly with data loggers and remote monitoring systems for real-time data analysis and decision-making. Its user-friendly maintenance design, featuring quick-release fasteners, ensures easy access to internal components for cleaning and upkeep.

FEATURES

- Balanced tipping bucket mechanism ensures high accuracy.
- Minimal moving parts, long-term reliability with low maintenance.
- Read switch/magnetic sensor for precise detection.
- Accurate even under varying rainfall intensities.
- Durable ABS body with weather resistance.
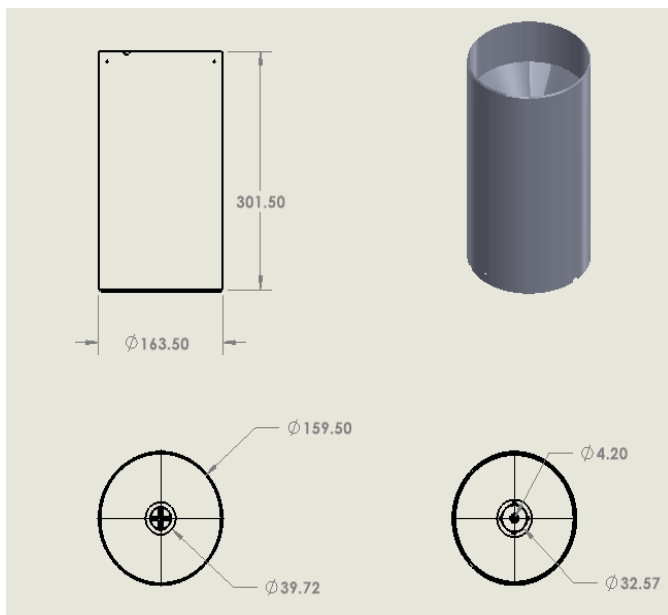- Easy integration with data loggers and weather stations for automated rainfall recording.

SPECIFICATIONS

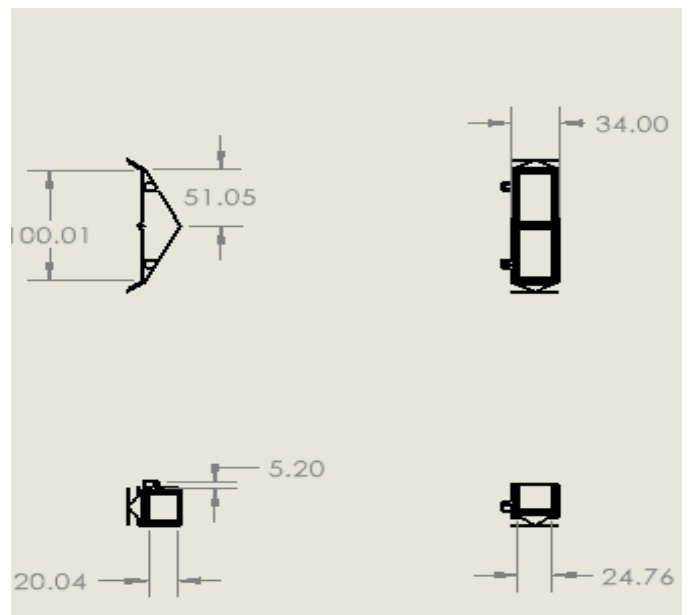| Instrument	Tipping Bucket Rain Gauge
Orifice Size/ Orifice Diameter	Specified diameter of the collector is 159.5 mm or 200mm
Collector Area	Specified collector area is 200 cm² & 314 cm²
Reed Switch	Magnetic switch
Operating Range	Upto 150mm/hr
Response Time	Capable of operating at rates up to 1 pulse, per second
Resolution	0.2 or 0.5
Output	Reed switch count
Accuracy	±2 %
Material	ABS
Levelling	The base of the TBRG is equipped with leveling adjustment screws and a circular spirit level to ensure precise alignment of the tipping bucket mechanism
Debris Protection Filter	Suitable (Wire mesh) debris protection filter is provided inside the collector

RAIN GAUGE

APPLICATIONS

- **Meteorological stations for rainfall monitoring.**
- **Agriculture & Irrigation planning**
- **Environmental monitoring & climate research**
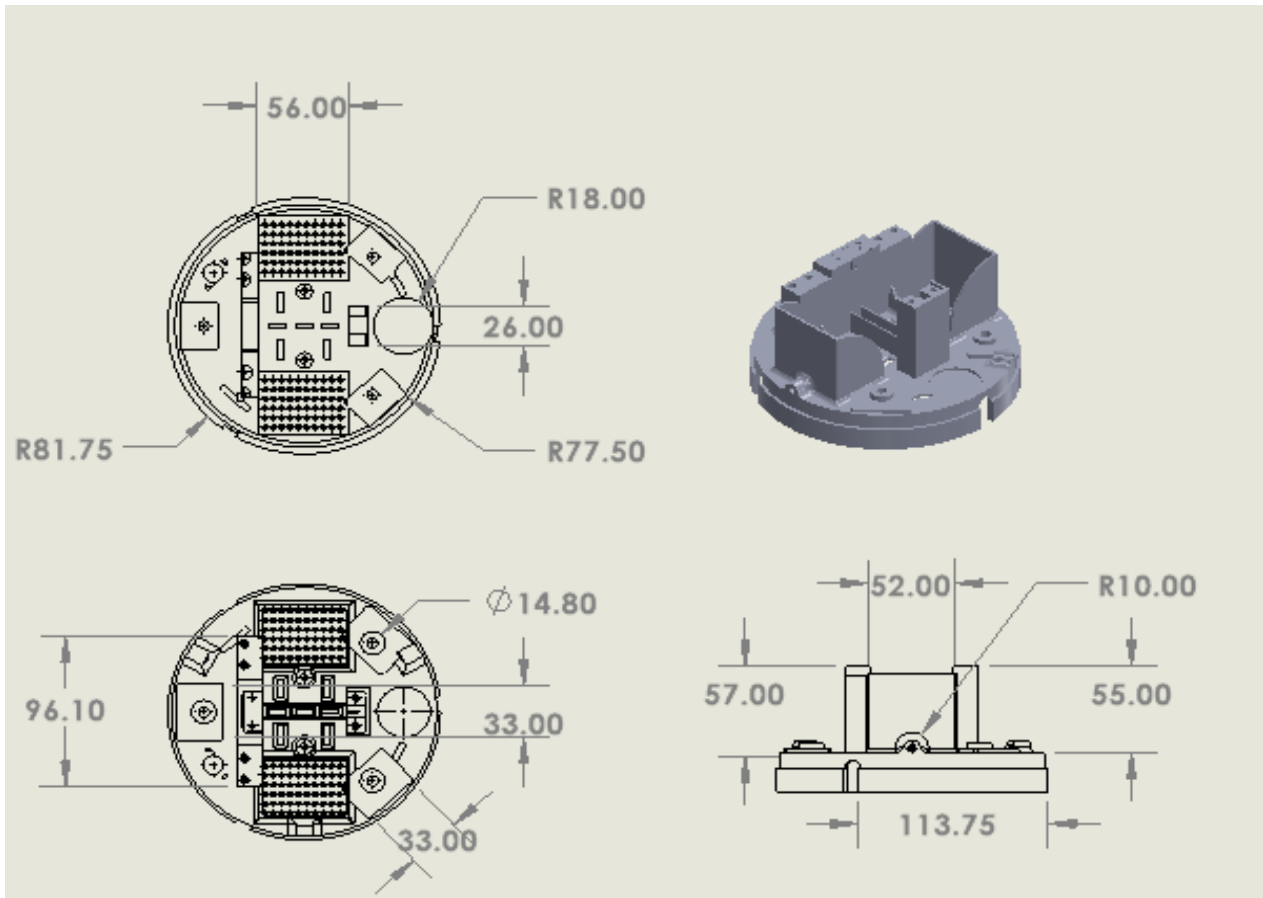- **Suitable for both precise scientific research and general-purpose field monitoring.**

Rain Gauge Cylinder

SeeSaw

RAIN GAUGE

Rain Gauge Base