

## KEY FEATURES

- **High Accuracy Measurement**
  - Designed to meet meteorological standards with precise rainfall resolution.
- **Automatic & Continuous Operation**
  - Works 24×7 without human intervention.
- **Weatherproof & Durable Housing**
  - Designed for long-term outdoor exposure with minimal maintenance.
- **Low Maintenance Design**
  - Self-draining funnel and stable calibration reduce servicing frequency.
- **IoT & Telemetry Ready**
  - Can be integrated with GSM/GPRS/LoRa-based data transmission systems
- **Solar Powered**

## APPLICATION

- Meteorological Monitoring Stations
- Flood Early Warning Systems (FEWS)
- Rainfall & Climate Research
- River Basin & Watershed Management
- Agriculture & Irrigation Planning
- Smart Cities & Urban Drainage Projects
- Government & Disaster Management Authorities

|                                               |
|-----------------------------------------------|
| <b>Types:</b> - Tipping Bucket Rain Gauge     |
| <b>Collector Diameter:</b> - 159.6mm          |
| <b>Collection Area:</b> - 200 cm <sup>2</sup> |
| <b>Resolution:</b> - 0.5mm/Tilt               |
| <b>Accuracy:</b> - +/- 2.0%                   |
| <b>Max Rain Fall Measurement:</b> - 150 mm/hr |
| <b>Funnel Diameter:</b> - 6.3" (160mm)        |
| <b>Operating Temperature:</b> - 0 °C -50 °C   |
| <b>Storage Temperature:</b> - 20 °C to 60 °C  |
| <b>Humidity Limits:</b> - 0-100%              |
| <b>Weight (Bucket):</b> - 1.8Kg 5.1kg         |
| <b>Height:</b> - 500mm                        |
| <b>RTU Operating Voltage:</b> - 12V DC        |
| <b>Battery Backup:</b> -15 Ah                 |
| <b>Solar Panel:</b> - 40W                     |



## INSTALLATION

- Option 1: Mounting Bracket as per requirement
- Option 2: mounting bracket with Stand Pole Maintenance consists of routine cleaning from the filter screen

## WHY CHOOSE BULFRO ARG?

- Designed for Indian climatic conditions
- Proven performance in government & PSU projects
- Easy integration with existing monitoring systems
- Reliable long-term data accuracy
- End-to-end support from installation to maintenance



# BULFRO MONITECH

PVT. LTD.

*Digital Solutions for water sustainability*



## Services:

- Product & Solution Sales Installation
- Data Management and Security Maintenance & Services
- Water Legal Compliance

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## AUTOMATIC RAIN GAUGE

Technical Brochure

