

# Bulfro Monitech Pvt. Ltd.

## Water Sustainability Digital Solutions



*Amphibian That Never Sleeps*

Bulfro Monitech Pvt. Ltd.



### BULFRO RAIN WATER HARVESTING MONITORING SYSTEM- OPEN CHANNEL (BRWHMS-OC) TECHNICAL BROCHURE

#### Services:

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

#### BRWHMS-OC:

The Bulfro Rainwater Harvesting Monitoring System Open Channel (BRWHMS-OC) is an important system being integrated for water harvesting monitoring and measurement. The system is IIoT (Industrial Internet of Things) enabled, which can measure the water being harvested. The field data is acquired at the field site and then transmitted to the cloud server. The communication protocol used is MQTT (Message Queuing Telemetry Transport). The data is stored in the cloud server for further analytics and audit.

#### Why to Choose BRWHMS-OC ?

**Cutting-Edge Tech:** Seamlessly integrates with IIoT for advanced functionality. **Accurate Measurements:** Precisely measures rainwater for optimal usage. **Field Data Access:** Gathers crucial on-site data for informed decisions. **Secure Cloud Integration:** Ensures data security and remote accessibility. **Smart Analytics:** Utilizes ML for insights, compliance, and sustainability. **Rain Gauge Integration:** Enhances accuracy of rainfall measurement. **Compliance Reporting:** Generates detailed reports for sustainability goals.

## Specifications:

Parameter	Range
Operating Voltage	3.3~5V
standby Current	≤5mA
Average Current	≤8mA
Blind Zone Distance	3cm
Ranging Distance for Flat Object	3-450cm
Response Time	100ms
Probe Centre Frequency	40K±1.0K
Operating Temperature	-15~60°C
Storage Temperature	-25~80°C
Sensing Angle	100°
Protection Rate	IP67

## Technical Parameters:

Solar Power System with Battery	
Nominal voltage	7.4 V DC
Ingress Protection	IP68
Capacity	5.0AH
Max. charging current	2.0 Amp
Max. discharging curr.	2.0 Amp
Max .Volt	12 V
Under volt cut-off	5.6 V

## Features:

- Shortest Blind Zone
- Strong Resistance
- Stable Output
- Low Power
- Fast Response
- High Antistatic Performance
- Wide Operating Temperature
- High Accuracy

## CONTACT US



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