

BDWFMS:

It is a cutting-edge solution designed to accurately and efficiently measure water flow in open channels. Our system offers precise data through state-of-the-art sensors and technology, ensuring real-time monitoring and informed decision-making for water distribution agencies. Experience cost-effective, rugged, and telemetry-enabled flow measurement, empowered by the integration of advanced machine learning algorithms for predictive analytics, providing a revolutionary approach to water flow management.



SOLAR POWER FEATURES

- **40Wp Solar Panel**
Efficiently harnesses solar energy for continuous system operation.
- **Off-Grid Ready**
Designed for reliable performance in remote and grid-independent locations.
- **Battery Backup**
Integrated 10Ah battery ensures uninterrupted operation during low-light or night conditions.
- **Sustainable & Cost-Efficient**
Eco-friendly power solution that reduces carbon footprint and operating costs.

Technical Specifications:

Technical Component	Specification
Telemetry Type	GPRS RTU 3G Enable
Ultrasonic Velocity Sensor Range	0 to 10 m/s
Ultrasonic Level Sensor Range	0 to 5/15 mtr.
Solar Panel Capacity	40 Wp
Battery Capacity	15Ah



Solar Power Component	Specification
Solar Panel	40Wp
Battery Capacity	10Ah, 12V

SENSORS USED IN BDWFMS

- **Ultrasonic Velocity Sensor**
Measures water flow velocity in channels (0–10 m/s) for accurate flow calculation.
- **Ultrasonic Level Sensor**
Uses ultrasonic waves to measure water level (0–5 m / 0–15 m) with high accuracy.

KEY FEATURES

- **Cost-Effective**
High accuracy at an affordable cost for water distribution agencies.
- **Rugged & Reliable**
Designed for durable performance in harsh and diverse environments.
- **Real-Time Telemetry Data**
Seamless data transmission for better monitoring and decisions.
- **Solar-Powered & Sustainable**
Operates on solar energy for eco-friendly, low-maintenance use.
- **IoT-Enabled Connectivity**
Cloud-connected system for centralized monitoring and control



BULFRO MONITECH

PVT. LTD.

Digital Solutions for water sustainability



Services:

- Product Sales
- Installation
- Data Management and
- Security
- Maintenance
- Legal Compliance



+ 91 845004436
+ 91 7666053957



Sales@bulfro.com
support@bulfro.com



www.bulfro.com



S/n,36/2/1,Near Bhagawati
Boys Hostel,Dhayari-Narhe
Road,Narhe,Pune 411041

BULFRO DIGITAL WATER FLOW MEASUREMENT SYSTEM (BDWFMS)

Technical Brochure

