

Bulfro Monitech Pvt. Ltd.

Water Sustainability Digital Solutions



Amphibian That Never Sleeps

Bulfro Monitech Pvt. Ltd.



BULFRO DIGITAL WATER FLOW MEASUREMENT SYSTEM (BDWFMS) TECHNICAL BROCHURE

Services:

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

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.

Features:

- **Cost-Effective:**BDWFMS offers accuracy without a hefty price tag, making it a smart financial choice for water distribution agencies.
- **Rugged & Reliable:**Built to last in tough environments, ensuring dependable performance across diverse settings.
- **Telemetry Data:**Transmits real-time data seamlessly, enhancing operational efficiency and decision-making.
- **Solar-Powered & Sustainable:**Runs on solar energy, aligning with sustainability goals and minimizing environmental impact
- **IoT for Enhanced Connectivity:**Leverages IoT tech for easy communication with cloud servers, enabling centralized data access and analysis.

Sensors used in BDWFMS:

Ultrasonic Velocity Sensor:

- Gauges water flow speed within the channel.
- Range: 0 to 10 m/s.
- Ensures precise measurement of flow velocity for accurate flow calculations.

Ultrasonic Level Sensor:

- Measures water levels using ultrasonic waves.
- Range: 0 to 5/15 meters.
- Provides accurate depth measurements above the water surface.

Solar Power Features

- Solar Panel: Utilizes a 40Wp solar panel to harness solar energy.
- Sustainability: Aligns with sustainable practices, reducing carbon footprint.
- Off-Grid Operation: Enables operation in remote or off-grid locations without reliance on the power grid.
- Battery Backup: Incorporates a 10Ah battery to store excess solar energy, ensuring uninterrupted operation during low light or nighttime.
- Cost-Efficient.

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

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