

IP-68 FLOW METER



Services :

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Bulfro Monitech Pvt. Ltd. Iot Solutions



IP-68 FLOW METER

Technical Brochure

IP-68 Flow Meter :

The Bulfro Compact Electromagnetic Flow Meter is a robust solution engineered for highly accurate water flow measurement in challenging environments. Featuring a full IP68-rated flow tube for complete dust and water protection, this meter delivers reliable performance even when fully submerged

Technical Parameters:

Performance	Parameters
Measurement Range Ratio	63:1
Working Pressure	<1.6 Mpa
Temperature	T30
Working Environment	-25°C-55°C,P68 Protection
Pressure Loss	ΔP 10
Power Consumption	<0.1Mw
Power Supply	3.6V 4Ah lithium battery



Key Features - IP-68 Flow Meter

- .IP68 Protection Class:**Fully dust-tight and submersible; ideal for underground, flooded chambers, or outdoor installations.
- High Accuracy :** Standard accuracy of $\pm 1.0\%$ of reading; optionally available with $\pm 0.5\%$ for precision-critical applications.
- No Moving Parts:** Electromagnetic technology ensures minimal wear and long service life.
- Multiple Output Options:** 4–20 mA isolated analog output Pulse output RS485/RS232 (Modbus) Relay output Optional GSM/GPRS for remote telemetry
- Wide Operating Range :** Fluid temperature: up to 180°C (depending on liner) Pressure rating: $\geq 10 \text{ kg/cm}^2$ Flow velocity: 1–10 m/s

6 .Chemical Compatibility:

Handles fluids with a pH range of 0–14; suitable for corrosive and industrial applications.

7 .Power Supply Options:

Operates on 230V AC / 24V DC / battery + solar-based setups (customizable).

8. Smart Display Unit:

Backlit LCD/LED display
Totalizer, flow rate, diagnostics

Password-protected settings

9. Low Maintenance Design:

Self-cleaning, non-intrusive sensing with minimal calibration requirements.

10. Application Versatility:

Water distribution networks
Irrigation and agriculture
Wastewater & sewage monitoring
Industrial process lines
Telemetry-integrated smart city systems

