



ELECTROMAGNETIC FLOW METER TECHNICAL BROCHURE

Services:

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

Electromagnetic Flow Meter:

The Compact Electromagnetic Flow Meter is an advanced measuring device equipped with an integral converter and stabilized magnetic coil current supply to generate a pulse D.C. field. The Flow Meter's Standard Version is versatile, capable of flow measurement in both directions and provides a D.C. Current Output within the 4-20 mA range, proportional to flow after setting the measuring range.

TELEMETRY:

Data of flow meter is transmitted to cloud server using IoT platform. Helps in data analysis of live flow / Totalizer & reporting.

Non-Telemetry:

We offer non-telemetry flow meter options that provide reliable flow rate measurements without IoT connectivity. These meters are ideal for applications where remote data analysis is not required, offering cost-effective and practical solutions for various industries

Features:

- Provides calibrated measurements in LPM and LPS
- Gives an isolated electrical signal
- Generates Output of 4-20mA, 0-20mA
- Relay output-Capable of producing relay output
- Flow totalizer-Integrates flow to calculate total flow
- Supports communication via RS232 or RS485.
- Offers GSM Modem Facility pulse output
- Provides Frequency Output

Technical Parameters:

Available Size	DN 10 to DN 1000
Accuracy	1.0% (Standard), 0.5%
Flow Velocity Range	1 m/s to 10 m/s
Electrical Conductivity	>5 $\mu\text{S}/\text{cm}$ (>20 $\mu\text{S}/\text{cm}$ for demineralized cold water)
pH Range	Suitable for 0 to 14 pH
Pressure	10 kg/cm ² (> 10 Kg/cm ² on request)
Output	Isolated 4-20mA, Pulse
Protection	IP-68 for flow tube
Communication	RS485/232
Power Supply	220 VAC (Standard), 24 VDC / 110 VAC / 415 VAC
Operating Temperature	180°C for standard PTFE liner



From (Time)	To (Time)	water flow rate (l/min)	Total water consumption (litres)
12:00 AM	1:00 AM	0	0
1:00 AM	2:00 AM	0	0
2:00 AM	3:00 AM	0	0
3:00 AM	4:00 AM	0	0
4:00 AM	5:00 AM	0	0
5:00 AM	6:00 AM	0	0
6:00 AM	7:00 AM	0	0
7:00 AM	8:00 AM	0	0
8:00 AM	9:00 AM	25.7517	2509

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