

BlueTrack Technologies

Technology you can trust, Progress you can measure

Product Overview

Electromagnetic Flowmeter is a high-accuracy flow measurement instrument designed for continuous measurement of conductive liquids. It is widely used in water & wastewater, industries, utilities, and process plants where reliability, accuracy, and low maintenance are critical.

Key Features

- ✓ High accuracy ($\pm 0.5\%$ or better)
 - ✓ No moving parts – zero pressure loss
 - ✓ Suitable for dirty, corrosive & slurry fluids
 - ✓ Bi-directional flow measurement
 - ✓ Low maintenance & long life
 - ✓ Compact transmitter with clear digital display
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Product Image



Technical Specifications (Quick View)

Parameter	Specification
Measurement Principle	Faraday's Law of Electromagnetic Induction
Nominal Diameter	DN15 to DN1200 (customizable)
Fluid Type	Conductive liquids (>5 $\mu\text{S}/\text{cm}$)
Accuracy	$\pm 0.5\%$ of reading (optional $\pm 0.2\%$)
Flow Velocity	0.1 – 10 m/s
Power Supply	230V AC / 24V DC
Output Signal	4–20 mA, Pulse, RS485 (Modbus RTU)
Display	LCD / TFT with flow rate & totalizer
Lining Material	PTFE / Rubber / Neoprene
Electrode Material	SS316 / Hastelloy / Titanium
Protection Class	IP65 / IP67 / IP68 (optional)
Operating Temperature	0 – 80°C (higher on request)
Process Connection	Flanged / Wafer

Applications

-  Water & Wastewater Treatment Plants
 -  Industrial Process Monitoring
 -  Hospitals & Commercial Buildings
 -  Hotels & Utility Water Monitoring
 -  Effluent Treatment Plants (ETP / STP)
 -  Chemical & Process Industries
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Advantages

- No obstruction to flow
 - Accurate even with suspended solids
 - Ideal for continuous & custody transfer measurement
 - Stable performance over long-term use
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Optional Features

- Remote type transmitter
 - Data logging & IoT connectivity
 - GSM / Ethernet communication
 - Battery-powered version
 - CPCB / ISO compliance (model dependent)
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Support & Customization

- Pipe size & lining customization
 - Integration with PLC / SCADA
 - Installation & commissioning support
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Company Details

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This document is intended for quick reference and preliminary selection. Specifications may change without prior notice.