

Electromagnetic Flow Meter DN10-DN3200

This electromagnetic flow meter measures the volumetric flow of conductive liquids in closed conduits. It is available in sizes DN10-DN3200.



Overview

Industrial Electromagnetic Flow Meter

This electromagnetic flow meter is engineered for precise volumetric flow measurement of conductive liquids and slurries across diverse industrial sectors including water treatment, chemical processing, and food production. It features a wide measuring range scale of 1500:1 and high measurement accuracy, ensuring reliable performance in demanding environments. With options for both compact and remote configurations, along with advanced communication protocols like HART and Profibus, it integrates seamlessly into modern automation systems.

Performance Metrics

Accuracy

0.5 %

Standard Accuracy

0.2 %

High Precision Option

Measuring Range Scale	1500:1
Max Velocity of Flow	15 m/s

Physical Specifications

Protection Class

IP 65 • IP 67 • IP 68

Nominal Diameter Range	DN3 - DN3000
Nominal Pressure	0.6 MPa - 4.0 MPa

Materials

Electrode Materials	316L, Hastalloy C/B, Titanium, Tantalum, Platinum-Iridium, Tungsten Carbide Coated Stainless Steel
Lining Materials	Neoprene, Polyurethane, PTFE, PFA, Tefzel

Environmental & Electrical

Temperature Limits

- Medium Temperature: d80 , d120 , d180
- Ambient Temperature: -20 to +55

Power Supply	85-260 VAC, 16-36 VDC
Ex-proof Mark	Ex deaCT6

Connectivity & Output

Output Signals

- 4-20 mA
- Pulse
- Frequency
- Contact

Supported Protocols

HART, Profibus, RS232, RS485