

# Electromagnetic Flowmeter

Electromagnetic flowmeters measure the flow rate of conductive liquids and slurries. They feature various configuration options, including different electrode and lining materials, pressure ratings, and communication protocols.

Model	Material	Accuracy	Pressure	Temperature	Options
EM100	Stainless Steel	0.2 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy B	0.2 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy C	0.2 Grade	10 bar	0-150°C	Standard
EM100	Platinum	0.2 Grade	10 bar	0-150°C	Standard
EM100	Titanium	0.2 Grade	10 bar	0-150°C	Standard
EM100	Tantalum	0.2 Grade	10 bar	0-150°C	Standard
EM100	Stainless Steel	0.5 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy B	0.5 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy C	0.5 Grade	10 bar	0-150°C	Standard
EM100	Platinum	0.5 Grade	10 bar	0-150°C	Standard
EM100	Titanium	0.5 Grade	10 bar	0-150°C	Standard
EM100	Tantalum	0.5 Grade	10 bar	0-150°C	Standard
EM100	Stainless Steel	1.0 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy B	1.0 Grade	10 bar	0-150°C	Standard
EM100	Hastelloy C	1.0 Grade	10 bar	0-150°C	Standard
EM100	Platinum	1.0 Grade	10 bar	0-150°C	Standard
EM100	Titanium	1.0 Grade	10 bar	0-150°C	Standard
EM100	Tantalum	1.0 Grade	10 bar	0-150°C	Standard
EM100	Stainless Steel	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy B	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy C	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Platinum	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Titanium	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Tantalum	0.2 Grade	10 bar	0-150°C	Split Flange
EM100	Stainless Steel	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy B	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy C	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Platinum	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Titanium	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Tantalum	0.5 Grade	10 bar	0-150°C	Split Flange
EM100	Stainless Steel	1.0 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy B	1.0 Grade	10 bar	0-150°C	Split Flange
EM100	Hastelloy C	1.0 Grade	10 bar	0-150°C	Split Flange
EM100	Platinum	1.0 Grade	10 bar	0-150°C	Split Flange
EM100	Titanium	1.0 Grade	10 bar	0-150°C	Split Flange
EM100	Tantalum	1.0 Grade	10 bar	0-150°C	Split Flange

## Overview

### High-Precision Electromagnetic Flowmeter

This electromagnetic flowmeter is designed for reliable and accurate flow measurement across a wide range of industrial applications. Featuring versatile configuration options, it supports various electrode and lining materials to ensure compatibility with diverse fluid types, including corrosive or specialized media. With robust construction and multiple communication protocols, this device provides flexible integration for modern industrial control systems.

## Technical Specifications

### Protection Levels

IP67 • IP68 (Split Type)

### Caliber Range (DN)

DN10 - DN2000

### Accuracy Classes

0.2 Grade, 0.5 Grade, 1.0 Grade

## Configuration Options

### Structural Forms

- Integrated Flange Type
- Split Flange Type (includes 10m cable)

### Electrode Materials

- Stainless Steel (316L)
- Hastelloy B (HB)
- Hastelloy C (HC)
- Platinum
- Titanium (Ti)
- Tantalum (Ta)

### Lining Materials

- Neoprene Rubber (CR)
- Polyurethane Rubber (PU)
- PTFE (F4)
- PFA
- F46

## Operating Conditions

### Pressure Ratings

Caliber Range	Max Pressure
DN10 - DN80	4.0 MPa
DN100 - DN150	1.6 MPa
DN200 - DN1000	1.0 MPa
DN1200 - DN2000	0.6 MPa

## Connectivity & Power

Communication Modes	4-20mA, Frequency/Pulse, RS485, RS232C, HART
Power Supply	220VAC, 24VDC

## Safety & Certification

Explosion-Proof Types  
General Purpose • ExdIICT6