

ELECTROMAGNETIC FLOW METER

Electromagnetic Flowmeter is a new range of Bipolar Pulsed DC Full Bore Type Electromagnetic Flowmeters. It is suitable for pipes with diameters of 10 mm to 1000 mm. They are based on Faraday's law of Electromagnetic Induction. The meter features flanged construction and is available with choice of Liner and Electrode materials. It has excellent accuracy and flow rangeability.

The meter is suitable for use on wide range of corrosive and aggressive range of conductive liquids.

- Based on Faraday's law of Electromagnetic Induction.
- Suitable for pipe sizes of diameters 10 mm to 1000 mm.
- Coil Assembly in hermetically sealed Welded construction.
- Choice of PTFE / Neoprene Rubber / Polyurethane liners.
- Integral or Remote Transmitter.
- Field interchangeable electronics.
- Optional LED / LCD display for Flow Rate.
- Totaliser indication in Engineering Units.
- No pressure loss.
- High linearity due to characteristic magnetic field.
- Absolute Zero stability and noise elimination.
- Measurement independent of liquid properties.

EMF - SERIES



APPLICATIONS

- Chemical, Petrochemical & Process Industries
- Fertilizer Industries
- Pharmaceutical Industries
- Food Industries
- Drug Industries
- Sugar Industries
- Beverage Industries
- Paper and Pulp Industries
- Aluminium Industries
- Steel Industries
- Mining Industries
- Dredging Industries
- Water & Waste - Water Management
- And Many Others.

TECHNICAL SPECIFICATIONS

- Suitable for Pipe Sizes : DN 10 to DN 1000
- Media Conductivity (Min.) : 0 μ S/cm (Consult factory for 5 μ S/cm)
- Media Pressure : PN 40 upto DN 80, PN 16 upto DN 200, PN 10 upto DN 1000
- Media Temperature (PTFE) : 0 - 180 C with Remote transmitter
- : 0 - 120 C with Integral transmitter
- : 0 - 90 C max for other liners
- Ambient Temperature Range : 0 - 50 C
- Materials : Pipe : SS 316 (Non - magnetic)
- Liner : PTFE / Neoprene / Polyurethane
- Electrode : SS / Hastelloy C / Ta / Ti / Pt
- End Connections / Flanges : Carbon Steel / SS 304 / SS 316 / SS 316L
- Coil Housing : Carbon Steel / SS, Epoxy painted
- Transmitter : Cast Aluminium (LM6) , Epoxy painted
- Flange / End Connection Std. : DIN / ANSI / BS / SMS / TRI-CLAMP
- Power Supply : 110 / 240V AC \pm 15%, 50Hz
- Power Consumption : 20 VA