IF YOU Measure IT, You can Control IT

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A Company Founded by Alumni of IIT, Bombay.

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ELECTROMAGNETIC FLOW METER

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ELECTROMAGNETIC FLOW METER

Description: MFI-013 electromagnetic flow meter is manufactured with state of the art technology. Micro controller based design provide precise measurement. A magnetic flow meter (mag meter, electromagnetic flow meter) is a transducer that measures fluid flow by the voltage induced across the liquid by its flow through a magnetic field. The physical principle at work is electromagnetic induction.



Specification

Parameter	Description
Diameter	PTFE:DN6-DN600, Neoprene/ Hard rubber: DN50-DN 2200, Sanitary Type: DN10-DN100
Accuracy	±0.5% of rate; ±0.2% of rate
Velocity	0.3-10m/s
Electrical Conductivity	> 5 µS/ cm.
K - factor	Present.
Flow unit	Programable
Repeatability Error	±0.1%
Display	16/2 LCD for flow rate & totaliser
Communication	RS 485 / RS 232 (Optional on request)
Power supply	220 Vac / 24 Vdc / 110 V ac / 415 Vac
Operating Temperature	Hard rubber/ Neoprene liner20+60 $^\circ C$, PTFE liner20+140 $^\circ C$ High-temp PTFE liner20+ 180 $^\circ C$, PFA:-20+180 $^\circ C$
Nominal Working Pressure	10 BAR standard. (> 10 BAR on request.)
Memory	In built non volatile
In built non volatile	4-20 mA isolated, Pulse (On request)
Empty pipe detection	Yes



Application

- ✓ Waste Water industry : Transport networks sewage treatment plants, sludge
- Water industry : Revenue metering, district metering water abstraction, leakage detection,
- Remote monitoring of water supplies and distribution networks
- Chemical industry : acids alkalis, dosing applications, abrasive or corrosive mediums
- ✓ Metal & mining industry : mediums with a high solid content, like ore or excavator mud
- Pulp & paper industry : pulp, pastes, sludge & other caustic mediums, liquor, additives, bleaches, colourants
- Replacement of mechanical turbine meters
- Food & beverage industry : mixing, dosing and filling of drinks under hygienic conditions filling systems applications
- Checking of pumps and water wells

Features

Able to detect liquids that include contaminants (solids, air bubbles)

Because of smooth liner, There is no pressure loss.

No moving parts (improves reliability)

Extra thick liner ensure long life.

Aarohi Embedded Systems Pvt. Ltd.

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