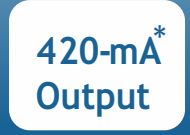


**ACCUMAX**  
INSTRUMENTS PVT. LTD.

# ELECTROMAGNETIC FLOW-METER



- Wide range of application
- High Accuracy
- Robust Design
- IP-67 enclosure
- Easy Installation
- Line Size from 15 NB
- Empty pipe Alert
- 4-20 mA output
- RS485 Modbus
- Pulse Output\*
- GSM Interface compatible
- Wire/Wireless Aux. Display\*
- Batch Controller\*      \* Optional



## Accumax Instruments Pvt. Ltd.

B-95, Electronics Estate, GIDC, Sector-25, Gandhinagar, Gujarat, India-382024

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Accumax offers water metering solutions based on proven technology of Electromagnetic and represents the next generation of smart metering.

Accumax delivers solutions in all shapes and sizes. From individual meters and remote reading systems to fully automated service solutions.

The meter is true volume measuring meter. The measurement is independent of viscosity, Density, Dissolved/Undissolved solids, pressure or temperature of the flowing liquid as long as it maintains certain minimum conductivity. Various types of Liners & Electrodes are used as per application requirements. Empty pipe detection is also provided.

Accumax has in-house R&D center & calibration setup as per industries standards.

### **Principle of Operation:**

The Accumax Electromagnetic Flow-meter work on FARADAY'S LAW OF ELECTROMAGNETIC INDUCTION. Hence the meter detects flow based on velocity of conductive liquid. Thus the meters are Calibrated in terms of volumetric flow rate from it.

### **Advantages:**

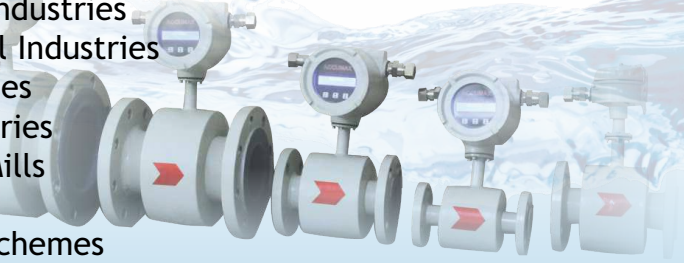
- Rugged & Robust Construction withstanding to IP67.
- No pressure Drop due to full bore construction
- Maintenance free construction because of no moving parts.
- Long lasting PTFE/PFA lining maximize life of the meter.
- Customized designs are also available as per requirement.

### **Applications:**

Accumax Electromagnetic Flow-meters are used to measure various types of liquids which can be found in various industrial processes like as Acidic chemical, Corrosive Liquids, waste water, warm/hot water.

## Application Areas:

- ETP (Effluent Treatment Plants)
- STP (Sewage Treatment Plants)
- Chemical Industries
- Food & Sugar Industries
- Pharmaceutical Industries
- Textile Industries
- Ceramic Industries
- Pulp & Paper Mills
- Industrial R.O.
- Water supply schemes



## Maximum Flow Rate Chart:

PIPE SIZE (Inch)	PIPE SIZE (NB)	Max Flow* (m <sup>3</sup> /H)	Max Flow * (L/M)
½"	15	4 m <sup>3</sup> /H	66 L/M
¾"	20	6 m <sup>3</sup> /H	100 L/M
1"	25	9 m <sup>3</sup> /H	150 L/M
1 ½ "	40	22 m <sup>3</sup> /H	366 L/M
2"	50	36 m <sup>3</sup> /H	600 L/M
2 ½"	65	60 m <sup>3</sup> /H	1000 L/M
3"	80	90 m <sup>3</sup> /H	1500 L/M
4"	100	121 m <sup>3</sup> /H	2016 L/M
5"	125	200 m <sup>3</sup> /H	3333 L/M
6"	150	318 m <sup>3</sup> /H	5300 L/M
8"	200	450 m <sup>3</sup> /H	7500 L/M
10"	250	600 m <sup>3</sup> /H	10000 L/M
12"	300	850 m <sup>3</sup> /H	14166 L/M

**Note:** Responsibility for the choice of lining and electrode materials as regards abrasion and corrosion resistance lies with the purchaser; the effect of any change in process medium during the operating of the meter should be taken into account. Incorrect selection of lining and/or electrode could lead to a failure of the meter.

\* can be customized

**Model Selection:**

EFM-A-B-C-D-E-F-G-H-I-J-K

A: Line Size (NB)

B: Lining Material (PTFE, PFA, Rubber)

C: Electrode Material (SS316L, Hastelloy 'C')

D: Flange & Coil Housing (MS, SS)

E: Class of Flange (Class 150, 300, 600)

F: Special Paint (NO[Siemens Gray], Mention Color)

G: Output 4 - 20mA (No: 0, Yes: 1)

H: Output RS485 ( Modbus ) (No: 0, Yes: 1)

I: Display (Integrated: I, Remote: R)

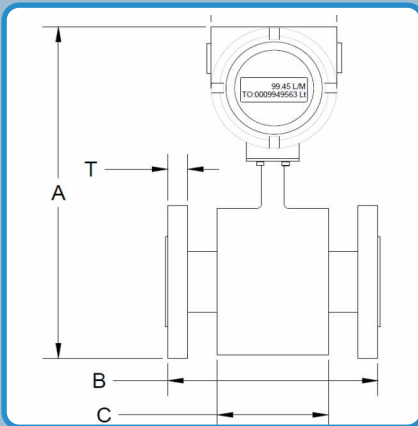
J: Pulse Output (No: 0, Yes: 1)

K: Supply Voltage (220V AC, 110V AC, 24V DC)

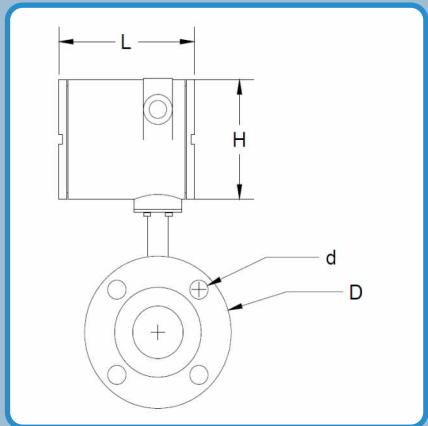


**Eg: EMF-50-PTFE-SS316L-MS-150-NO-1-1-I-0-220V**

Note: Process Temperature PTFE - 230°C, Rubber - 85°C, Process Pressure 20 Bar



**Front View**



**Side View**

Authorized Stockist

