



## ELECTROMAGNETIC FLOW METER

Electromagnetic flow meter works under the principle of Faraday's law of electromagnetic induction. The meter can measure the emf produced from the magnetic field created by the conductive liquids flowing through it. It consists of a transmitter and a sensor which placed inline. Both the transmitter and sensor together measure the flow. Flow meter sensor can measure the induced voltage generated by the fluid passing through the pipe. The transmitter takes the voltage from the sensor and convert it in to a flow measurement.



### SPECIAL FEATURES

- ◆ Bi-Directional Flow Measurement
- ◆ Built-in Totalizer
- ◆ Remote Monitoring
- ◆ Obstruction less and cost effective
- ◆ Confirms to international manufacturing standards
- ◆ High accurate volumetric flow rate
- ◆ Low pressure drop and low maintenance
- ◆ Accuracy:  $\pm 0.2\%$ ;  $\pm 0.5\%$

### APPLICATIONS

- ◆ Sewage treatment plants
- ◆ Coal Slurry
- ◆ Pharmaceutical Industry
- ◆ Food and Beverages
- ◆ Alkalis and acids
- ◆ Chemical industry
- ◆ Metal and mining industry
- ◆ Paper and pulp industry

# TECHNICAL SPECIFICATION

**Line Size:**

DN15mm to 2000mm

**Pressure Rating:**

Ranging from ANSI150# to 2500#

**Body Material:**

SS, CS

**Lining Material:**

PTFE, PFA, Rubber

**Electrode Material:**

Stainless steel coated with carbonized tungsten,  
Stainless steel containing MO, Hastelloy C, Hastelloy B,  
Titanium, Tantalum,  
Platinum-Iridium alloy

**Supply Voltage:**

110V AC, 230V AC, A4V DC

**Output:**

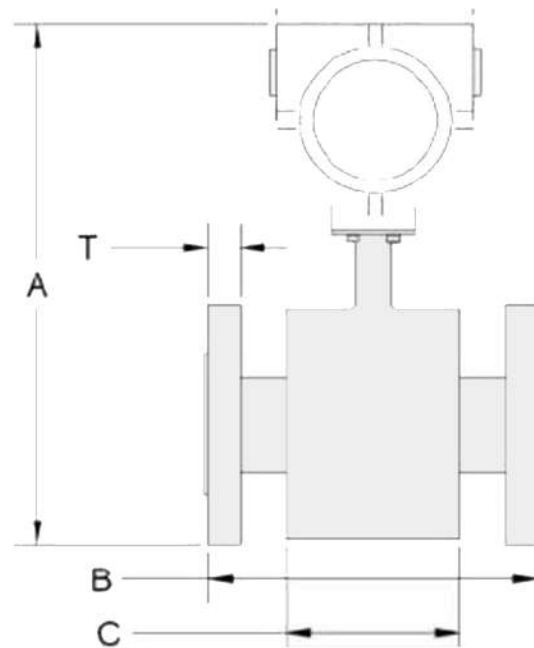
4-20mA, Pulse

**End Connection:**

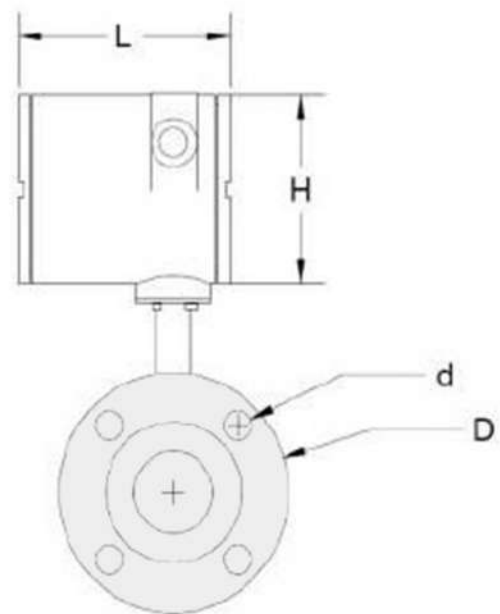
Flanged, Threaded and Clamping

**Communication:**

RS-485, support standard Modbus-RTU protocol, GPRS



(FRONT VIEW)



(SIDE VIEW)

**Company address:**

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