



**An ISO 9001-2015 Certified Company**



**Product Code :  
SMAG-300**

### Electromagnetic Flowmeter (SMAG- 300 Series)

The electromagnetic flow meter accurately measures the flow rate of any conducting liquid or slurry that is flowing in closed pipes. It is obstruction less and hence offers no pressure drop in the process. Absence of moving parts ensures that there is no need for maintenance. The performance of the instrument is not affected by the properties of the material such as corrosiveness, viscosity, density, acidity and alkalinity. It can measure the flow of liquids, pastes and slurries in water, wastewater. Suitable for chemical, fertilizer, paper, dairy, sugar, food and beverage industries.

#### Design & Calibration Confirms to ISO9104 & ISO DIS 6817

- Specification**
- Line Size : 15 NB to 600 NB
  - Connection : Flanged to ASA/BS/DIN/JIS
  - Power Supply : 220 VAC/24VDC
  - Accuracy :  $\pm 0.5\%$  OF FSD
  - Minimum Conductivity: 5  $\mu\text{s/cm}$
  - Lining : PTFE, EPDM, Rubber
  - Process temperature : Up to 80°C for Rubber, Up to 150° C for PTFE
  - Electrodes : SS 316, Hastalloy C, Titanium, Monel, Pt-Rh,
  - Protection : IP67; Optional: IP 68
  - Flow Units : M3/H, M3/M, M3/S, L/H, L/M, L/S, USG/H, USG/M, USG/S
  - Out Put : 4-20mA+HART
  - Relay Out Put : Low & High Flow Alarm with Empty Pipe Detection
  - Flow Rate Display : 5 digit LCD
  - Totaliser Display : 10 digit LCD
  - Communication port : RS485(Modbus)
  - Lowest velocity : 0.033 m/s
  - Highestt velocity : 15 m/s

#### Available Options

**With Field Mounted Flow Rate Indicator, Totalizer, 4-20 mA Out Put , Pulse Out Put, Low & High Flow Alarm**



**Product Code :  
SMAG- 300-FR-TL-TX**

**Electromagnetic Flowmeter with remote indication**



**Product Code : SMAG-300-TX-PM**

**Data Communication of Electromagnetic Flowmeter to centralized computers Via GSM /GPRS Modem**



**Product Code :  
SMAG-300-FR-TL-TX-GSM**

**With Field Mounted Flow Rate Indicator, Totalizer, 4-20 mA Out Put , Pulse Out Put, Low & High Flow Alarm**



Line Size: 150NB to 2000NB.  
Linearity: up to  $\pm 0.5\%$  of reading.  
Repeatability:  $\pm 0.05\%$  to  $\pm 0.1\%$ .  
Accuracy:  $\pm 1\%$  of FSD.

**Product Code : SMAG-700-TL-TX-P**

**With 4-20 mA Out Put**



**Product Code : SMAG-300-TX**

**Panel Mounted Flow rate Indicator/ Totalizer/ Batcher & 4-20 mA Re transmission output**



**Product Code : SD 2001**