

08. Electromagnetic Flow Meter

The FLO300 Electromagnetic Flow Meter is an advanced product utilizing unique and intelligent measuring algorithm. FLO300 can be used at various fields with integral and remote models. It measures flow not only very low conductive liquid but acid, alkali, salty, and other corrosive liquids.

When measuring the flow, it can go through the magnetic field of the perpendicular direction. FLO300 also offer several types of sensor and lining material to meet with field requirements.

Product Features

1. The measuring principle is less affected by temperature, pressure, viscosity, and velocity
2. Suitable for liquids with suspended solids
3. Wide range (DN10-DN1600mm)
4. Auto zero calibration
5. Reverse or Bi-directional flow measurement
6. Self-grounding function (Option)

Applications

1. Water (Tap, Sewage, Polluted, Waste)
2. Food industry
3. Chemical industry
4. Oil refining
5. Steel mill
6. Paper mil



Ultrasonic Sludge Blanket Level Meter	Ultrasonic Portable Sludge Level Meter	Ultrasonic Sludge Density Meter	Clamp-on type Density Meter	Ultrasonic Level Meter	Clamp-on Type Ultrasonic Flow Meter	Ultrasonic Open Channel Flow Meter	Electromagnetic Flow Meter
04p ~ 06p	07p	08p ~ 10p	11p	12p ~ 13p	14p ~ 15p	16p ~ 17p	18p ~ 19p

Specifications



Compact type



Remote Type

Model	FLO300
Pipe Dimension	DN10 ~ DN1600
Measuring Ranges	0.2m ³ /h~ 30,000m ³ /h
Fluid Conductivity	>5μS/cm
Sensor Material	SS321
Lining Material	PTFE from DN10~DN500 Rubber from DN40~DN1000
Housing Material	Epoxy printing aluminum
Electrode Material	SS316 Hastelloy C; Titanium; Tantalum
Remote version operating Temp.	Rubber <80 °C; PTFE<150 °C
Compact version operating Temp.	-20~75 °C
Max. Accuracy	±0.5% (standard) ±0.2% (option)
Repeatability	±0.1%
Fluid Velocity	±10m/s
Analog Output	4~20mA; Max. load 750Ω
Alarm Output	Open collector 24Vdc, Max.250mA
Protocol Communication	MODBUS(Standard) HART(Option)
Digital Output	0~5,000Hz
Pulse Output	24Vdc pull-up
Power Supply	85~265Vac; 24Vdc
Consumption	<6W
Compact ver. Protection	IP66 with 4 cable gland
Remote ver. Protection	IP66/IP68 (only pipe)
Display	Backlit LCD Forward and reverse total flow, Direction, Instant flow, etc.
Certificate	CE