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FLOWMETER series

Parameter	Electromagnetic Flow meter	Electromagnetic BTU meter	Liquid turbine flow meter	Vortex flow meter	Portable ultrasonic flow meter
Model	LDG-SUP	LDGR-SUP	LWGY-SUP	LUGB-SUP	SUP-2000H
Applicable Medium	Conductive liquid	Conductive liquid	Liquid	Gas, liquid, steam	Various fluids: Water, pure water, sewage
Nominal Diameter	DN10-DN1000	DN10-DN1000	DN4-DN250	DN15~DN300	DN32~DN6000
Nominal Pressure	0.6~1.6Mpa	0.6~1.6Mpa	0.6~4.0Mpa	1.0~2.5Mpa	-
Accuracy	±0.5%, ±1%	±1.5%	±0.5%,±1%	±1.5%	±1.0%
Range ratio	1:20	1:20	1:10,1:15,1:20	1:10,1:15,1:20	20:1
Body Material	304Stainless steel, Carbon steel	304Stainless steel, Carbon steel	304Stainless steel, 316(L) stainless steel,etc	304 Stainless steel, 316(L) stailess steel,etc	Multiple probe optional
Operation Condition	Medium temp -20°C~+160°C Ambient temp -25°C~+60°C Relative humidity 5%~95%RH Atmospheric pressure 86KPa~106Kpa	Medium temp -20°C~+160°C Ambient temp -25°C~+60°C Relative humidity 5%~95%RH Atmospheric pressure 86KPa~106Kpa	Medium temp -40°C~+120°C Ambient temp -20°C~+60°C Relative humidity 5%~95%RH Atmospheric pressure 86KPa~106Kpa	Medium temp -40°C~+320°C Ambient temp -20°C~+60°C Relative humidity 5%~95%RH Atmospheric pressure 86KPa~106Kpa	High temperature type can be customized
Signal output	4~20Ma/Pulse / frequency	4~20Ma/Pulse / frequency	4~20Ma/pulse signal	4~20Ma / Pulse signal	Pulse
Communication	RS485,HART	RS485,HART	RS485, HART	RS485, HART	RS232C
Power supply	100~240VAC/24VDC	220VAC±15%, 24VDC	24VDC/3.6V battery	24VDC/3.6V battery	Battery
Electrical connection	M20 x 1.5 Thread	M20 x 1.5 Thread	M20 x 1.5 Thread	M20 x 1.5 Thread	Plug
Ingress protection	IP65	IP65	M20 x 1.5 Thread	IP65	IP65
Installation	Flange/ clamp	Flange/ clamp	Flange / clamp / thread	Flange / gripping	Portable / wall mounted

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LDG-SUP

Electromagnetic Flow Meter

FEATURE

Small pressure loss and high Accuracy
Strong adaptability and compatibility of various pipes
Stable and reliable, strong anti-interference
Good linearity of measure, high repeatability
Wide measuring range, complete series
No mechanical inertia, sensitive reaction Parameters

LDG-SUP intelligent electromagnetic flow meter bases on the mature Faraday`s law of electromagnetic. The main compositons are: Measuring tube, electrode, excitation coil, pipe lining and converter.

It is manly used for volume measurement of conductive liquid flow in the closed pipeline. Including strong corrosive liquid, such as acid, alkali, salt, etc. The product is widely used in petroleum, chemical, metallurgical, textile, food, pharmaceutical, paper and other industries, as well as environmental protection, municipal administration, water conservancy construction and other fields.

Name	Electromagnetic flow meter
Accuracy	±0.5%, ±1%
Nominal pressure	0.6-1.6Mpa
Power supply	100~240VAC, 50/60Hz, 22VDC~26VDC
Electrode type	316 electrode (standart): HB/HC alloy electrode (strong acid and alkali environment) titanium electrode; Tantalum electrode; Tungsten carbide electrode; Platinum electrode
Range ratio	10:1, 15:1, 20:1
Work environment	Sensor: -20 ~180°C converter: -10~60°C(≥80°C to be cutomized)
Medium	>5us/cm
Flow direction	Bi-directional
Output signal	4~20Ma (Load resistance: 0~750Ω), pulse / frequency
Communication	RS485 modulus-RTU, HART
Installation	Flange connection clamp connection

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LUGB-SUP

Vortex Flow Meter

FEATURE

- Compatible with many medium
- Dual power supply selection
- Display of parameters on the same screen
- Integrated temperature and pressure compensation
- Small-flow cutting
- Intelligent anti-jamming

LUGB-SUP Vortex Flow Meter has high reliability and small maintanance without the movable mechanical parts. The instrument parameters can be stable for a long time. Vortex Flowmeter adopts the Piezoelectric stress sensor with high reliability and can work within the range of working temperature -20 +250˚C. There is a simulated standard signal and a digital signal output. It is easy to match with the computer and other digital systems. It is an advanced and ideal measuring instrument

Name	Vortex flow meter
Nominal diameter	DN~DN300(compact/remote type), DN300~DN100(insert type)
Nominal pressure	Flange clamping (PN25), flange connection (PN10/PN25)
Accuracy	Compact type: ±1%R; insert type: ±2.5%R
Power supply	24VCD; Battery powered : 3.6V
Range radio	10:1, 15:1, 20:1
Output signal	Square wave pulse (excluding battery powered type): High level ≥5V, low level ≤1V; Electric current 4~20mA
Ingress protection	IP65
Environmental conditions	Temperature: -20°C ~55°C, relative humidity: 5%-90%RH, atmospheric pressure: 86-106kPa
Signal outputs	4~20Ma (load resistance: 0~750Ω), pulse / frequency
Applicable medium	Gas, liquid, steam