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FLOW METER

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FLOW METER



COMPANY PROFILE

With 30+ years experience, Hunan MACSENSOR is a high tech company specialized in the design, manufacture and sales of sensors, flow meters, controllers and also provide one-stop solutions. As far as today we' ve provided products and services for 100,000+ users from 102 countries.



Long-term cooperation relationship is established between well-known companies including SINOPEC, PETROCHINA, DANFOSS, WIKA, DWYERL, MENGNIU, SANY, AUCMA, FOXCONN, Hunan University and other famous enterprises and schools.

CERTIFICATES



ELECTROMAGNETIC FLOW METER

MACSENSOR's hot sale electromagnetic flow meter is the most widely used flow meter, which are common in the flow measurement of sewage, waste water, corrosive liquid, mud and mixed solutions.



LD300 Integrated Electromagnetic Flow Meter

Pipe Size: DN6-3000mm
Accuracy: 0.5%
Maximum Flow Speed: 0.5~10m/s
Output: 4~20mA, 0~10mA, pulse, alarm, frequency, RS485/RS232
Power Supply: 85VAC~250VAC, 20VDC~36VDC, 3.6V battery



LD300-S Split Electromagnetic Flow Meter

Pipe Size: DN6-3000mm
Accuracy: 0.5%
Maximum Flow Speed: 0.5~10m/s
Output: 4~20mA, 0~10mA, pulse, alarm, frequency, RS485/RS232
Power Supply: 85VAC~250VAC, 20VDC~36VDC, 3.6V battery

LD Sanitary Electromagnetic Flow Meter



Diameter: DN15-25mm
Accuracy: 0.5%
Maximum flow speed: 15m/s
Output: 4~20mA, 0~10mA, Pulse+4-20mA, RS485/RS232
Power supply: AC220V 50HZ/DC24V/DC12V/3.3V battery

WLD Wireless Electromagnetic Flow Meter



Diameter: DN10-1600mm
Accuracy: 0.5%
Wireless network mode: GPRS/4G/NB-iot/Lora
Communication mode: RS485 (modbus protocol), GPRS, CDMA
Power supply: 220V or battery

ULTRASONIC FLOW METER

Ultrasonic flow meters have the characteristics of small size and light weight. We don't need to cut pipes for installation. They're widely used in sewage treatment, circulating water, urban piping system, food and pure water flow measurement.



UF2000 Ultrasonic Clamp on Flow Meter

Diameter: DN32-1000mm
Accuracy: $\pm 1\%$
Output: 4--20mA; OCT; RS232/RS485; Pulse
Power supply: DC8~36V or AC85~264V
Power Consumption: 1.5W



UF2000-H Handheld Ultrasonic Flow Meter

Diameter: DN25-1000mm
Accuracy: $\pm 1\%$ of reading at rates > 0.2 mps
Output: RS232
Power supply: 100V-240VAC or Ni-H battery
Velocity: ± 10 m/s

UF2000-F In-line Ultrasonic Flow Meter



Diameter: DN15-32mm, DN40-6000mm
Accuracy: $\pm 0.5\%$
Output: 4-20mA/1 channel OCT pulse/1 channel relay output/RS485, MODBUS
Power supply: DC8-36V or AC85-264V
Working temp.: Host, -20~60°C; Flow sensor, -30~160°C

UF1000 Ultrasonic Flow Meter



Pipe Size: DN15-40mm
Accuracy: $\pm 2\%$
Output: 4-20mA/RS485 Modbus/OCT(pulse output)/One relay alarm
Power Supply: 10~24VDC
Power Consumption: 3W

MGUF Gas Ultrasonic Flow Meter



Diameter: DN25-300mm
Accuracy: 1.0%
Output: 4-20mA, RS485
Power supply: 3.6V lithium battery, 5~24VDC
Power Consumption: ≤ 1.5 W for battery, ≤ 1 W for external power

MFL2000 Open Channel Ultrasonic Flow Meter



Range: 0.1l/s~99999.99m³/h
Accuracy: level, 0.25%/0.5%; Flow, 1% ~ 5%
Output: 4~20mA; RS485, RS232, MODBUS
Power supply: 220V AC+15%, 50Hz/24VDC 120mA

VORTEX FLOW METER

Vortex flow meter is a general-purpose flowmeter for gas measurement, which can measure high-velocity gas such as steam, compressed air, coal gas, etc. It is widely used in light industry, power, heating and air compressor industries, and also for flow measurement of pipe water, oil and other liquids.



MGVF Gas Vortex Flow Meter

Diameter: DN15-300mm
Accuracy: $\pm 1.5\%$
Output: 4-20mA/RS485
Power supply: 24VDC $\pm 15\%$ or 3.6V10AH lithium battery
Medium temperature: -40°C~+250°C, -40°C~+350°C



MLF Liquid Vortex Flow Meter

Diameter: DN15-300mm
Accuracy: $\pm 1.5\%$ / $\pm 1\%$
Output: 4-20mA/Pulse/RS485
Power supply: 24V DC or battery
Process temperature: -20...+70°C/-20...+250°C/-20...+350°C

TURBINE FLOW METER

There are liquid (water, oil) and gas turbine flow meters. Liquid turbine flow meters measure liquids without impurities & corrosion, and low viscosity, widely used in kerosene processing filters, food, medicine, etc. Gas turbine flow meters measure low-velocity gases, such as natural gas, nitrogen and compressed air, widely used in chemical, boilers, kilns and other gas pressure regulating stations.



MGTF Gas Turbine Flow Meter

Diameter: DN25-DN30
Accuracy: 1.5%;1%
Output :4-20mA/RS485, pulse,HART and GPRS
Power supply: +24VDC \pm 15%/3.6V10AH lithium battery
Medium temperature: -30°C~+80°C



TF Liquid Turbine Flow Meters

Diameter: DN4-200mm
Accuracy: 0.5%, 1%
Output: 4-20mA,pulse,RS485
Power supply: DC 12V \pm 10%, current: \leq 10mA
Medium temperature: -20~+120°C

Turbine Fuel Flow Meters



Diameter: DN1.0~ 10 mm
Flow range: 0.03L/min~30L/min
Accuracy: \pm 0.5%~1.0%F.S.
Output: 4 to 20 mA
Power supply: 12-36V DC

MSF Electronic Fuel Flow Meter



Working pressure: 6bar
Accuracy: 1%
Flow range: MSF25,Flow range: 10L/min-100L/min;
MSF40, 40L/min-280L/min; MSF60,60L/min-500L/min
Working temperature: -20-60°C

ROTAMETER

Rotameter features simple structure, easy to install and maintain. It is suitable for small flow rates and can also measure corrosive media. It is widely used in petrochemicals, food, laboratories, etc., and also for flow measurement and process control of various media in complex and harsh environment.



MLZM Glass Tube Flow Meter

Measuring Range: 6-60 ml/min(Liquid) or customized/
0.16-1.6m³/h(Gas)or customized
Accuracy: \pm 4%
Basal body: Acrylic
Option: with or without valve



MGRF Plastic Tube Rotor Flow Meter

Diameter: DN15,20,25,32,40,50,65,80mm
Measuring range: 5-3000 L/h (liquid)or 0.4-200 m³/h or customized
Accuracy: \pm 4%
Temperature: 0-60°C
Pressure: \leq 0.6MPa

MTR Metal Tube Rotor Flow Meter



Diameter: DN15-150mm
Flow range: Liquid:1.0~150000l/h; Gas:0.05~3000m³/h
Accuracy: 0.5%, 1.0%
Output: 4~20mA/HART
Power supply: 12~36VDC

MTWF Tri-rotor Flow Meter



Diameter: DN15,20,25,40,50,80,100,150,200,250,300,350,400,450,500mm
Output: 4~20mA, 1-5V, 4~20mA+HART protocol,
MODBUS, RS232, RS485
Temperature: -10°C ~ 80°C
Pressure:1.6, 2.5, 4.0, 6.3,10MPa



MDR Dual Rotor Flow Meter

Measuring range: 5-340 m³/h
 Diameter: DN40-250mm
 Accuracy: 0.5%/0.2%
 Output: 4-20mA /Pulse/RS485
 Power supply: 24VDC or 3.6V Lithium battery



MVPF Swirl Flow Meter

Diameter: DN15-200mm
 Accuracy: 1.5%/1.0%
 Output: 4-20mA/RS485
 Power supply: 24VDC±15%/3.6V lithium battery
 Medium temperature: -20°C~+80°C

OTHERS

Flow meters used for special applications include mass flow meter, gear wheel flow meters, volumetric flow meters, swirl flow meters, roots flow meters, target flow meters, mainly used for flow measurement in specific environments or in harsh environments or in special media such as medium of high corrosion, low flow rate or flammability. MACSENSOR provides solutions for a complete set of flow meters.

HEG Oval Wheel Gear Flow Meter



Diameter: DN10-150mm
 Accuracy: ±1%, ±0.5%
 Power supply: DC 24V
 Repeatability: ±0.03%
 Max temperature: -10~80°C

MTF Target Flow Meter



Diameter: DN15-2000mm
 Accuracy: ±0.2%, ±0.5%, ±1.0%, ±1.5%, ±2.5%
 Output: 4~20mA; RS485/RS232; HART
 Power supply: lithium battery (3.6V); 24VDC
 Medium temperature: -196°C~+450°C

VF-Volumetric Flow Meter



Diameter: DN40-150mm
 Accuracy: ±0.2%
 Max pressure: 10 bar/150PSI
 Measure unit: Liter/Gallon

MRF Roots Flow Meter



Diameter: DN25-150mm
 Accuracy: 0.5%, 0.2%
 Temperature: -10~60°C
 Pressure: 0.6, 1.0, 1.6, 2.5, 4.0MPa



MQF Mass Flow Meter

Diameter: DN3-250mm
 Accuracy: ±0.5%, ±0.2%, ±0.1%
 Output: 4~20mA, 485 (MODBUS-RTU), Hart
 Power supply: 24V DC(220V AC or 24V DC and AC by customized)
 Medium temperature: -50°C~+150°C (-200°C~+350°C by customized)



MTMF Thermal Mass Flow Meter

Diameter: DN10~4000mm
 Accuracy: ±1~2.5%
 Output: 4-20mA/pulse/RS485/HART protocol
 Power supply: All-in-one (DC24V or AC220V≤18W); Split type (AC220V≤19W)