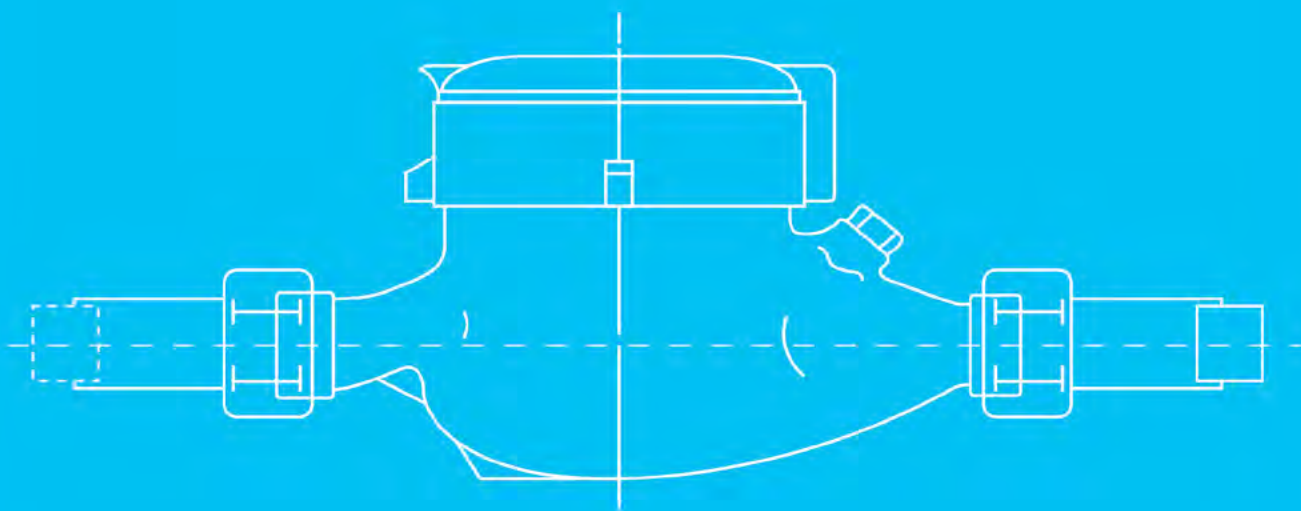
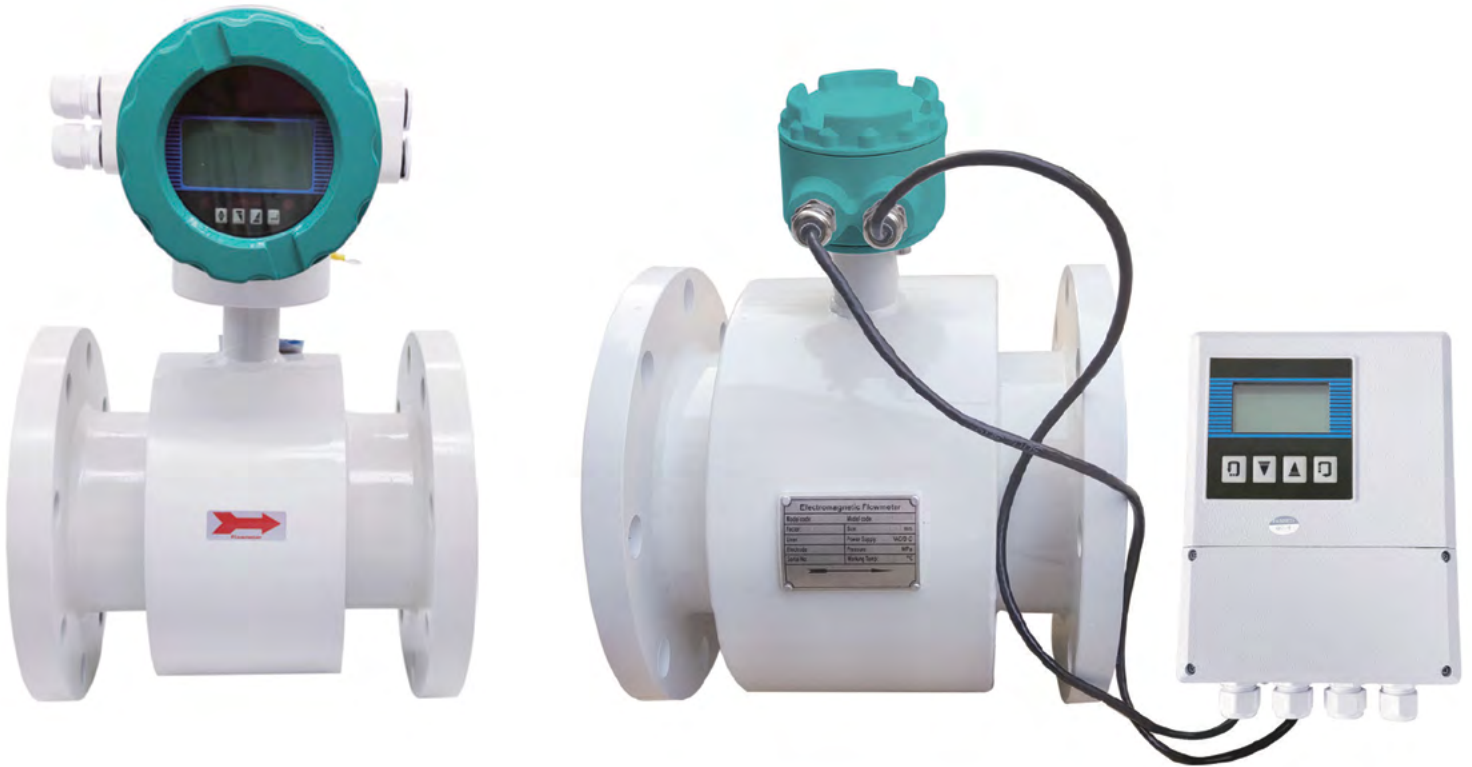


Water Meters



ELECTROMAGNETIC FLOWMETER



Overview

Intelligent electromagnetic flow meter with high accuracy and reliability.

It is used to measure the volume flow of liquid and slurry in closed pipelines, and is widely used in power, petroleum, chemical, coal, metallurgy, minerals, paper making, water supply and drainage, food, medicine and other industries, etc...

Scope of application

English intelligent display converter adopts 16-bit embedded microprocessor. Full digital processing, with two-way flow measurement function, instantaneous flow and positive and reverse accumulation and difference accumulation, used to measure the volume of conductive medium such as fresh water, sewage, acid, alkali, salt solution or liquid-solid two-phase fluid flow.



Features

- Flow measurement is not affected by changes in fluid density, viscosity, temperature, pressure and conductivity
- There are no obstructing flow parts in the measuring tube, no pressure loss, and low requirements for the straight pipe section
- The converter adopts LCD backlight display, which can make the degree easier under direct sunlight or in a darkroom
- Set parameters by touching the infrared ray button, which can be safely set without opening the cover of the converter in harsh environments
- The flow meter is a two-way measurement system with three integrators: forward total, reverse total and difference total; it can display forward and reverse flow and has multiple outputs: current, pulse, digital communication, HART
- The converter has self-diagnostic alarm output, no-load detection alarm output, flow upper and lower limit alarm output, batch processing control and other functions
- Can be used not only for general process detection, but also suitable for the measurement of ore pulp, paper pulp, and paste liquid
- The high-pressure electromagnetic flowmeter sensor adopts PFA meshing lining technology, which is resistant to high pressure and negative pressure, and is specially used in petrochemical and mineral industries
- Proof instruments can be used in corresponding explosion-proof places

Product parameters

Nominal diameter: DN3-DN3000

Nominal pressure: 0.6-4.0MPa (special pressure can be customized)

Accuracy: $\pm 0.5\%$ of the indicated value

Lining material: polyurethane rubber / chloroprene rubber / polytetrafluoroethylene / silicone lining

Electrode form: standard type / scraper type / replaceable type

Electrode material: 316L / Haz alloy B / Haz alloy C / titanium / tantalum / platinum

Medium temperature:

- Integrated type: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Split type: 1. Polyurethane rubber, neoprene, PTFE, silicon-fluorine lining
2. PTFE lining / PFA lining / F46 lining

Ambient temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Ambient humidity: 5 ~ 85% RH (relative humidity)

Dielectric conductivity: ≥ 20

Measuring range: 1500: 1 Flow setting $< 15\text{m} / \text{s}$.

Structure: integrated / split / immersion / explosion proof

Protection grade: IP65 / IP67 / IP68 optional

Explosion-proof grade: Exmd II CT4

Product standard: JB / T9248-1999 electromagnetic flowmeter



Precision in Every Drop
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