

**PT FERINDO ENERGI INSTRUMEN**

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# ELECTROMAGNETIC FLOW METER FLOW CONTROLS

## Kelebihan Produk:

Flow meter digital canggih dengan puluhan fitur. Akurasi 0.5% dan cocok untuk mengukur cairan konduktif

Flow Meter Electromagnetic Flow Controls adalah flow meter tercanggih yang kami pasarkan. Telah dipasang di beberapa industri dan pabrik, fitur produk ini sangatlah banyak seperti:

- ✓ Electromagnetic flow meter bisa mengukur segala macam cairan konduktif seperti pulp, air, zat kimia, cairan korosif, lumpur, sulfur, zat asam, air laut, air kotor, hydrochloric acid, cairan nitric, phosphoric acid dan lain lain
- ✓ Electromagnetic flow meter tersedia dari size DN10 - DN2000, sangatlah besar
- ✓ Electromagnetic flow meter flow cotnrols memiliki akurasi yang sangat baik(0.5%)
- ✓ Flow meter output signal bisa mengeluarkan 4-20mA
- ✓ Flow meter communication support ada beberapa pilihan RS485, support MODBUS protocol, support HART juga
- ✓ Flow Meter bisa dilacak dengan GPS
- ✓ Tersedia dengan bahan bahan antikorosi
- ✓ Akurasi flow meter tidak akan terganggu oleh temperatur, tekanan, kekentalan dan kepadatan

## Spesifikasi

### Technical Performance Parameters

Model	DN6~DN3000mm		
Nominal Pressure	0.6~1.6MPa(2.5Mpa/4.0Mpa/6.4Mpa...42Mpa)		
Accuracy	±0.5%,±0.3%or±0.2% are selectable		
Liner material	Teflon,PFA,F46,Neoprene,Polyurethane		
Electrode Type	General type ,scraper type and replaceable type		
Electrode material	Stainless steel SUS316,Hastelloy C,Titanium,Tantalum Platinumiridium, Stainless steel covered with tungsten carbide		
Mediem temperature	Integrate type	-20°C~+60°C	
	Remote type	Neoprene & Polyurethane Liner	-10°C~+80°C
		PTFE Liner /PFA Liner /F46 Liner	-10°C~+160°C
Ambient Temperature	-25°C ~+ 60°C		
Ambient Humidity	5~100%RH(relative humidity)		
Medium Electrical conductivity	>=5u s/cm		
Measuring Range	1500:1,flow rate<15m/s		
Structure type	Integral type,remote type,submersible type,ex-proof type		
Protection Class	IP65,IP68(optional)		
Ex-proof Mark	ExmdIIT6		
Product Standard	JB/T 9248-1999 Electormagnetic Flowmeter		

Main performances of the electrode materials

Electrode material	Applications
sainless steel SUS316	Applicable in water,sewage and corrosive mediums. Widely used in industries of petrol,chemistry,carbamide,etc
Stainless steel covered with tungsten carbide	Applicable in mediums of no corrosive and low abrasion.
Hastelloy B(HB)	Having strong resistance to hydrochloric acid of any consistence which is below bioling piont. Also resistable against vitriol,phosphate, hydrofluoricacid,organic acid etc which are oxidable acid,alkali and non-oxidable salt.
Hastelloy C(HC)	Be resistant to oxidable acid such as nitric acid,mixed acid as well as oxidable salt such as Fe <sup>+++</sup> ,Cu <sup>++a</sup> Stnd sea water
Titanium	Applicable in seawater,and kinds of chloride,hypochlorite salt,oxidable acid (including fuming nitric acid),organic acid,alkali etc. Not resistant to a pure reducing acid(such as sulphuric acid,hydrochloric acid corrosion. But if acid contains antioxidant is greatly reduce corrosion.
Tantalum	Having strong resistance to corrosive mediums that is similar with glass Almost is applicable to all chemical mediums. Except for hydrofluoric acid,oleum and alkali.
Platinum-iridium	Almost be applicable in all chemical mediums except for ammonium salt.



- 1)Ripple shape natural welding
- 2)Thickness of inner flanges 10mm, high safety and reliable.
- 3)Integrated cast without welding joint

VS



- 1)Rough welding
- 2)Thickness of inner flanges 3-5mm, no safety and not reliable
- 3)Too many welding joints



We use Yokogawa and Rosemount flow meter as our standard meter .

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Other use domestic normal flow meter as the standard meter .



We take MT MASS method with class 0.2 accuracy to make calibration more accurately and stable.

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Other supplier use comparison method that makes deviation and instability.



The thickness of our PTFE is more than 3 mm with longer service life.

VS



Other's thickness less than 3 mm ,easy to wear .