Flowmeter

DN10~DN2000 SS304/SS316

- Power-offtime recording function;
- Automatically record the power interruption time ofthe meter system;
- Make up for the leaked flow rate;
- Hour total recording function;
- Record the total flow rate in hours;
- Suitable for time-sharing measurement system;
- Infrared handheld operating keyboard;
- Remote Operate all functions ofthe converter by touch.


Metallurgical plant


Chemical plant

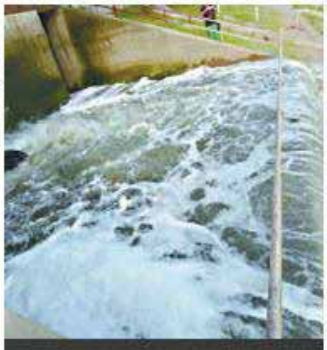

Oil field transportation


Papermaking


Food factory


Medical Industry


Textile factory


Wastewater treatemt

01 HEAD LCD

1.LCD displaydisplay Cumulative flow, Instantaneous flow, Forward flow, Reverse flow,etc.
2. Units: Nm3/h , Nm3/m , Nm3/s , m3/d , m3/h , m3/m , m3/s , l/h , l/m , l/s , t/d , t/h , t/m , kg/d , kg/h , kg/m , kg/s , g/h , g/m , g/s
3. Language: English.

02 SENSOR

1.Four pieces of electrode to keeps a good working performance.
2.Multiple medium measurements.
3. It can resist acid, alkali, salt corrosion.
4.Lining: polychloroprene rubber, urethane rubber, PTFE, F46, PFA, etc.

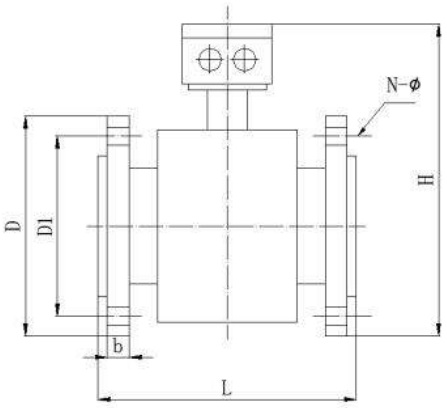
03 FLANGES

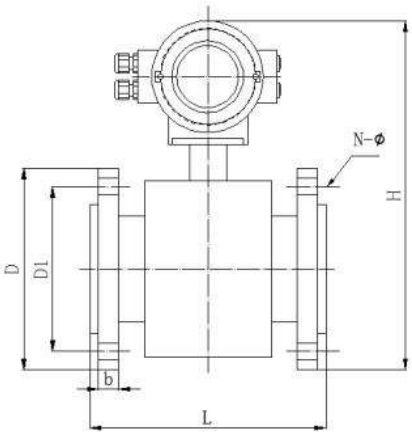
1. Good quality flanges to connect the sensor with the pipe tightly.
2. Cast Steel or SS304 material for option..
3. We offer various of flange standard, such as DIN, JIS, ANSI, ASME, BS, etc.
4. Very shiney surface by polishing workmanship.

04 CIRCUIT BOARD & COVER

1. Circuit board undergoes aging test and vibration test.
2. Surge protection device.
3. EXplosion-proof cover to ensure safty.

- DIMENSIONS

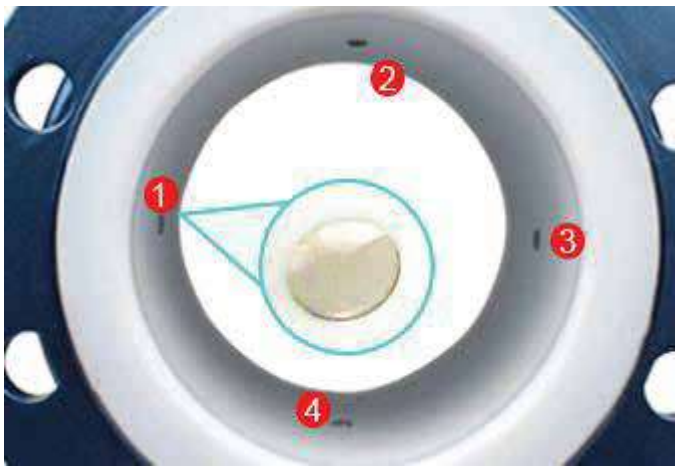




Selection of Electrode Materials

Electrode material should be selected according to the **measured medium corrosion**, users can access relevant anti-corrosion manual.

SN.	Electrode material	Corrosion resistance
1	316L	Measuring water, sewage or organic acid or inorganic acid of minor corrosive medium.
2	HB HC	Resistant to corrosion of oxidizing acid such as nitric acid, mixed acid, chromic acid and sulfuric acid, or a mixed medium of corrosion, but also resistant to salts of the oxidation as Fe + + +, Cu + +, or the other oxidant-containing corrosion. Such as hypochlorous acid alkaline solution is higher than normal temperature or sea water corrosion
3	Ti	Applicable in seawater, various chloride and hypochlorite, chlorinated acids (including fuming nitric acid), organic acid, alkali, etc. Do not resistant to the pure reduction acid (such as sulfuric acid, hydrochloric acid) corrosion. However, if an acid containing an oxidizing agent (such as nitric acid and containing Fe + + +, Cu + + ions in the medium) the corrosion is greatly reduced.
4	Tantalum (Ta)	Having strong resistance to corrosive mediums that is similar with glass. Almost applicable in all chemical mediums except for hydrofluoric acid, fuming sulfuric acid and alkali (including the boiling point of hydrochloric acid, nitric acid and sulfuric acid below 175 ℃). It has not any resistant to corrosion in alkali.
5	Stainless steel covered with tungsten carbide	Applicable in mediums of non-corrosive and low abrasion.
6	Platinum-iridium	Almost be applicable in all chemical mediums except for aqua for this, ammonium salt.



Selection of Lining Materials

Selection oflining materials is according to the **corrosion, abrasion resistance and temperature ofthe measured mediu m.** Normal lining material performance in the table as below:

SN.	Lining Materials	Main performance	Applications
1	Chloroprene Rubber (CR)	1.Oil resistance, solvent resistance, oxidation resistance, resistance to general acid, alkali, salt and other corrosive media 2. Excellent flexibility and abrasion resistance. But poor in cold resistance	1.0℃~80℃ Non strong acid, strong alkali, strong oxidizing media 2.can measure sewage and mud
2	Nature Rubber	1. Abrasion resistance, corrosion resistance, insulating properties, good low temperature resistance 2. Poor in oil resistance, aging resistance and oxidation resistance	-10℃~70℃ Non I146 acid, strong alkali, strong oxidizing media,suitable for drinking water
3	Polyurethane rubber	1.Excellent abrasion resistance and flexibility 2.Poor in acid resistance and alkali resistance	1.-25℃~60℃ 2. neutral mash, coal slurry and mud slurry with strong abrasion
4	PFA	1. Good hydrophobic and non-viscous, strong high temperature resistance 2. Excellent corrosion resistance. Resistance to acids, alkalis, organic solvents, and various salt solutions 3. Good ability of negative pressure resistance, also can add metal mesh to improve the ability to negative pressure resistance when requirements is high 4. Poor abrasion resistance	1.-25℃~140℃ non-abrasive media 2. Sanitary media
5	PTFE (F4)	1. The most steadiest material in plastics which is resistant to boiling hydrochloric acid, sulfuric acid, nitric acid and aqua regia, as well as strong alkali and organic solvents. Non-resistant to chlorine trifluoride, high velocity liquid fluorine or liquid oxygen, ozone corrosion 2. Poor in abrasion resistance. 3. Not suitable for backward pressure pipeline	1.-25℃~140℃ 2.Strong corrosive media, such as strong acids and alkali 3.Sanitary media
6	FEP(F46)	1. Hydrophobic and non-viscous 2. Corrosion resistance is only lower than PFA 3. Can add metal mesh to improve the ability to negative pressure resistance when requirements is high 4. Poor in abrasion resistance	1.-25℃~100℃ non-abrasive media 2. Sanitary media
7	Nitrile rubber	1. Resistance to high temperature and general acid, heat resistance and abrasion resistance are better than neoprene and natural rubber. Oil resistance is its outstanding properties. 2. Ozone resistance, poor low temperature performance. Lower electricity	1. 0℃~80℃ Ordinary acid, alkali, salt, especially for oily medium 2. Not to be used for low temperature medium

- Flow Rate

Model	Type	Pressure(Mpa)	Qmin(m3/h) Velocity of flow(0.3m/S)	Qmax(m3/h) Velocity of flow(10m/S)
AYT-25S	INTEGRATED	4	0.5	17.7
AFT-25L	SPLIT	4		
AYT-32S	INTEGRATED	4	0.9	29
AFT-32L	SPLIT	4		
AYT-40S	INTEGRATED	4	1.4	45.2
AFT-40L	SPLIT	4		
AYT-50S	INTEGRATED	4	2.1	70.7
AFT-50L	SPLIT	4		
AYT-65S	INTEGRATED	4	4	119
AFT-65L	SPLIT	4		
AYT-80S	INTEGRATED	4	5	181
AFT-80L	SPLIT	4		
AYT-100S	INTEGRATED	1.6	8	283
AFT-100L	SPLIT	1.6		
AYT-125S	INTEGRATED	1.6	13	442
AFT-125L	SPLIT	1.6		
AYT-150S	INTEGRATED	1.6	19	636
AFT-150L	SPLIT	1.6		
AYT-200S	INTEGRATED	1	30	1130
AFT-200L	SPLIT	1		
AYT-250S	INTEGRATED	1	50	1767
AFT-250L	SPLIT	1		
AYT-300S	INTEGRATED	1	80	2545
AFT-300L	SPLIT	1		
AYT-350S	INTEGRATED	1	100	3464
AFT-350L	SPLIT	1		
AYT-400S	INTEGRATED	1	140	4524
AFT-400L	SPLIT	1		
AYT-450S	INTEGRATED	1	170	5725
AFT-450L	SPLIT	1		
AYT-500S	INTEGRATED	1	210	7068
AFT-500L	SPLIT	1		
AYT-600S	INTEGRATED	1	300	10178
AFT-600L	SPLIT	1		
AYT-700S	INTEGRATED	1	400	13864
AFT-700L	SPLIT	1		
AYT-800S	INTEGRATED	1	500	18095
AFT-800L	SPLIT	1		
AYT-1000S	INTEGRATED	1	600	28274
AFT-1000L	SPLIT	1		

- Installation guide diagram

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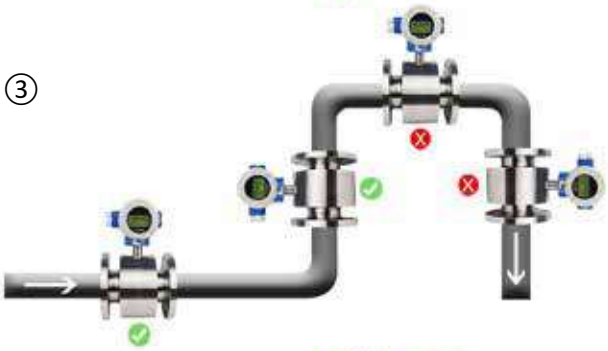

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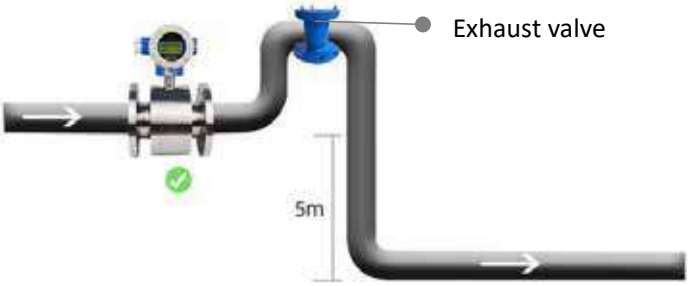

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Flange gasket

Fixing bolts