





Industrial automation instrument manufacturer
Specializing in instrument industry over 25 years
Leading supplier in instrument industry

ORDER SELECTION



- ◆ Differential Pressure Transmitter
- ◆ Diaphragm Level Transmitter
- ◆ Flow Meter
- ◆ Level Meter
- ◆ Level Switch



Vortex Flow Meter



& TECHNICAL PARAMETER

- 1.Application:liquid,gas,steam
- 2.Pipe size: DN15-DN300 is flange/ tri-clamp/thread connection,
> DN300 is the insertion type.
- 3.LCD display
- 4.Output:4-20mA,Pluse,RS485.Modbus,HART
- 5.Power supply:24V DC,3.6V Lithium Battery.
- 6.Product material:304SS,316L
- 7.flow range:liquid: >0.3m/s,gas: >3m/s
- 8.Temperature range:-40 to 350 ° C;
- 9.Pressure:1.6MPa,2.5MPa,4.0MPa,,High pressure can be customized.

& FLOW RATE

| Diameter | | Gas | Liquid |
|----------|--------|------------|------------|
| (mm) | (inch) | Flow(m3/h) | Flow(m3/h) |
| 15 | 1/2" | 2-20 | 0.2-2 |
| 20 | 3/4" | 6-50 | 1.2-12 |
| 25 | 1" | 8-60 | 1.6-16 |
| 32 | 1-1/4" | 12-120 | 2-20 |
| 40 | 1-1/2" | 20-200 | 2-30 |
| 50 | 2" | 30-300 | 3-50 |
| 65 | 2-1/2" | 50-500 | 18-180 |
| 80 | 3" | 70-700 | 15-150 |
| 100 | 4" | 100-1000 | 20-200 |
| 125 | 5" | 150-1500 | 36-360 |
| 150 | 6" | 200-2000 | 50-500 |
| 200 | 8" | 400-4000 | 100-1000 |
| 250 | 10" | 600-6000 | 150-1500 |
| 300 | 12" | 1000-10000 | 200-2000 |

& SATURATED STEAM MASS FLOW MEASUREMENT RANGE (FOR REFERENCE)

| P (MPa) T (°C) ρ (kg/h) | | 0.2 120.23 1.129 | 0.3 133.54 1.651 | 0.4 143.62 2.163 | 0.5 151.84 2.669 | 0.6 158.84 3.17 | 0.7 164.96 3.667 | 0.8 170.41 4.162 | 0.9 175.36 4.655 | 1.0 179.88 5.147 | 1.2 187.96 6.127 | 1.4 195.04 7.106 | 1.6 201.37 8.085 | 1.8 207.11 9.065 | 2.0 212.37 10.05 |
|-------------------------------|----|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| DN20 Qmax Qmin | kg | 7 10 | 10 100 | 12 120 | 14 140 | 18 180 | 20 200 | 24 240 | 28 280 | 30 300 | 36 360 | 42 420 | 48 480 | 54 540 | 60 600 |
| DN25 Qmax Qmin | kg | 9 90 | 13 130 | 16 160 | 20 200 | 25 250 | 30 300 | 32 320 | 37 370 | 40 400 | 48 480 | 56 560 | 64 640 | 72 720 | 80 800 |
| DN32 Qmax Qmin | kg | 13 130 | 20 200 | 25 250 | 32 320 | 36 360 | 44 440 | 48 480 | 56 560 | 60 600 | 73 730 | 84 840 | 96 960 | 110 1100 | 120 1200 |
| DN40 Qmax Qmin | kg | 22 220 | 33 330 | 40 400 | 50 500 | 60 600 | 75 750 | 80 800 | 94 940 | 100 1000 | 120 1200 | 140 1400 | 160 1600 | 180 1800 | 200 2000 |
| DN50 Qmax Qmin | kg | 30 300 | 50 500 | 60 600 | 80 800 | 90 900 | 110 1100 | 120 1200 | 140 1400 | 150 1500 | 180 1800 | 210 2100 | 240 2400 | 270 2700 | 300 3000 |
| DN65 Qmax Qmin | kg | 50 500 | 80 800 | 100 1000 | 130 1300 | 150 1500 | 180 1800 | 200 2000 | 240 2400 | 250 2500 | 300 3000 | 350 3500 | 400 4000 | 450 4500 | 500 5000 |
| DN80 Qmax Qmin | kg | 80 800 | 120 1200 | 140 1400 | 180 1800 | 210 2100 | 250 2500 | 300 3000 | 320 3200 | 360 3600 | 420 4200 | 500 5000 | 560 5600 | 630 6300 | 700 7000 |
| DN100 Qmax Qmin | kg | 110 1100 | 170 1700 | 210 2100 | 270 2700 | 320 3200 | 370 3700 | 420 4200 | 470 4700 | 510 5100 | 610 6100 | 700 7000 | 800 8000 | 900 9000 | 1000 10000 |
| DN125 Qmax Qmin | t | 0.17 1.7 | 0.24 2.4 | 0.33 3.3 | 0.40 4.0 | 0.48 4.8 | 0.56 5.6 | 0.64 6.4 | 0.7 7.0 | 0.78 7.8 | 0.9 9.0 | 1.0 10 | 1.2 12 | 1.4 14 | 1.5 15 |
| DN150 Qmax Qmin | t | 0.24 2.4 | 0.31 3.1 | 0.44 4.4 | 0.55 5.5 | 0.65 6.5 | 0.75 7.5 | 0.84 8.4 | 0.95 9.5 | 1.10 11.0 | 1.4 14 | 1.6 16 | 1.8 18 | 2.0 20 | 2.4 24 |
| DN200 Qmax Qmin | t | 0.5 50 | 0.7 70 | 0.85 85 | 1.05 10.5 | 1.3 13 | 1.5 15 | 1.6 16 | 1.9 19 | 2.1 21 | 2.5 25 | 2.9 29 | 3.2 32 | 3.6 36 | 4.0 40 |
| DN250 Qmax Qmin | t | 0.7 7.0 | 1.0 10 | 1.3 13 | 1.5 15 | 1.9 19 | 2.1 21 | 2.5 25 | 2.8 28 | 3.1 31 | 3.7 37 | 4.5 45 | 5.0 50 | 5.5 55 | 6.1 61 |
| DN300 Qmax Qmin | t | 1.10 11 | 1.7 17 | 2.2 22 | 2.7 27 | 3.2 32 | 3.7 37 | 4.2 42 | 4.7 47 | 5.2 52 | 6.2 62 | 7.2 72 | 8.1 81 | 9.1 91 | 10.0 100 |
| DN350 Qmax Qmin | t | 1.7 17 | 2.4 24 | 3.3 33 | 4.0 40 | 4.8 48 | 5.6 56 | 6.4 64 | 7.0 70 | 7.8 78 | 9.0 90 | 10 100 | 12 120 | 14 140 | 15 150 |
| DN400 Qmax Qmin | t | 2.0 20 | 3.0 30 | 3.7 37 | 4.9 49 | 5.5 55 | 6.7 67 | 7.3 73 | 8.5 85 | 9.2 92 | 11.0 110 | 14 140 | 15.6 156 | 17.2 172 | 18.5 185 |
| DN500 Qmax Qmin | t | 2.4 24 | 3.1 31 | 4.4 44 | 5.5 55 | 6.5 65 | 7.5 75 | 8.4 84 | 9.5 95 | 11 110 | 14 140 | 16 160 | 18 180 | 20 200 | 24 240 |
| DN600 Qmax Qmin | t | 3.5 35 | 5.1 51 | 6.7 67 | 8.4 84 | 9.8 98 | 11.5 115 | 12.9 129 | 15.0 150 | 16.2 162 | 19.3 193 | 22.4 224 | 25.6 256 | 28.8 288 | 32.1 321 |

& MODEL SELECTION

| LUGB | -□ | -□ | -□ | -□ | -□ | -□ | -□ | -□ | -□ | -□ | -□ | Explanation | |
|--------------------------|----------|----|----------------|----|----------------------------|----|----|----|----|----|----|--|---|
| Nominal diameter (In mm) | diameter | | | | | | | | | | | DN15-300(Pipeline) | |
| | | | | | | | | | | | | DN200-1500(Plug-in) | |
| Connection | Pipeline | FL | | | | | | | | | | Flange connection | |
| | | JZ | | | | | | | | | | Flange clamp | |
| | | Z | | | | | | | | | | Special rules | |
| | Insert | J | Simple Formula | | | | | | | | | | |
| | | Q | Ball type | | | | | | | | | | |
| Accuracy | | | Pipe line | 10 | | | | | | | | 1.0%R | |
| | | | | 15 | | | | | | | | 1.5%R | |
| | | | Insert | 20 | 2.0%R | | | | | | | | |
| | | | | 25 | 2.5%R | | | | | | | | |
| | | | | Z | Special accuracy standards | | | | | | | | |
| Temperature and pressure | | | | | | | | | | | | T(S)P(S)At normal temperature and pressure | |
| | | | | | | | | | | | | Z | T(Z)P(Z)Twin extreme pressure |
| Communication protocol | | | | | | | | | | | | No communication interface | |
| | | | | | | | | | | | | N | HART protocol |
| | | | | | | | | | | | | H | MODBUS protocol |
| Output | | | | | | | | | | | | No output | |
| | | | | | | | | | | | | 1 | Two-wire 4-20mA output |
| | | | | | | | | | | | | 2 | Pulse output |
| Power supply | | | | | | | | | | | | DC12V | |
| | | | | | | | | | | | | DB | Dual 12V power supply and battery |
| | | | | | | | | | | | | DD | DC24V |
| | | | | | | | | | | | | B | Battery 3.6V power supply, no signal output uses only |
| Sensor Material | | | | | | | | | | | | S | |
| | | | | | | | | | | | | L | 304Stainless steel |
| Core Component Materials | | | | | | | | | | | | S | |
| | | | | | | | | | | | | L | 316Stainless steel |
| Measuring medium | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | 2 | Gas |
| | | | | | | | | | | | | 3 | Liquid |
| | | | | | | | | | | | | 4 | Saturated steam |
| | | | | | | | | | | | | Superheated steam | |

WFD Electromagnetic Flow Meter



& TECHNICAL PARAMETER

- 1.Application:liquid with conductive ratio
- 2.Pipe size:DN6-DN2000
- 3.Electrodes Materials:316L(stainless steel),Hastelloy Alloy C Titanium,Tantalum
- 4.Measuring Range:0.1-10m/s(extendable to 15m/s)
- 5.LCD Display,
- 6.Output Signal:4-20mA,pluse ,RS485 ,RS232,HART,Modbus Interface.
- 7.Power supply:220V AC,24V DC,battery
- 8.Installation type:Flange,thread,tri-clamp,insertion

& APPLICATION

1. Drinking water supply, water supply, reservoir and pumping station etc.
2. Chemical acid, lye, conductive solution, cooling fluid, additives etc.
3. Drink water, beer, wine, alcohol, milk, yogurt, fruit juice, syrup, blood etc.
4. Refrigeration / air conditioning and refrigeration thermal measurement, or heat energy.
5. Sewage, industrial sewage discharge, sewage etc.
- 6.Control of metal industrial pump,cooling water and the flow of water.
7. The textile industry of water, pigments, chemicals, bleaching chemicals etc.



FLOW RATE

| Diameter (mm) | inch | Min flow m ³ /h | Normal flow rate m ³ /h | | Max flow m ³ /h |
|---------------|--------|----------------------------|------------------------------------|---------|----------------------------|
| 15 | 1/2" | 0.06 | 0.19 | 3.18 | 6.36 |
| 20 | 3/4" | 0.11 | 0.33 | 5.65 | 11.31 |
| 25 | 1" | 0.17 | 0.53 | 8.83 | 17.67 |
| 32 | 1-1/4" | 0.28 | 0.86 | 14.47 | 28.94 |
| 40 | 1-1/2" | 0.45 | 1.35 | 22.61 | 45.23 |
| 50 | 2" | 0.71 | 2.12 | 35.35 | 70.68 |
| 65 | 2-1/2" | 1.19 | 3.58 | 59.72 | 119.45 |
| 80 | 3" | 1.81 | 5.42 | 90.47 | 180.95 |
| 100 | 4" | 2.82 | 8.48 | 141.37 | 282.74 |
| 125 | 5" | 4.41 | 13.25 | 220.85 | 441.71 |
| 150 | 6" | 6.36 | 19.08 | 318.08 | 636.17 |
| 200 | 8" | 11.31 | 33.92 | 565.48 | 1130.97 |
| 250 | 10" | 17.67 | 53.01 | 883.57 | 1767.14 |
| 300 | 12" | 25.44 | 76.34 | 1272.34 | 2544.69 |
| 350 | 14" | 34.63 | 103.91 | 1731.8 | 3463.6 |
| 400 | 16" | 45.23 | 135.71 | 2261.94 | 4523.89 |
| 450 | 18" | 57.25 | 171.76 | 2862.77 | 5725.55 |
| 500 | 20" | 70.68 | 212.05 | 3534.29 | 7068.58 |
| 600 | 24" | 101.78 | 305.36 | 5089.38 | 10178.76 |
| 700 | 28" | 138.54 | 415.63 | 6927.21 | 13854.42 |
| 800 | 32" | 180.95 | 542.86 | 9047.78 | 18095.57 |



WFD Electromagnetic Flow Meter

MODEL SELECTION

| Model | Suffic code | | | | | | | | Description |
|--------------------|-------------|---|---|---|---|---|---|---|--|
| ATWFD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Electromagnetic flow meter |
| Diameter | XX | | | | | | | | Standard for diameter 0006:DN6;0015: DN15 0100:DN100;2200:DN2200 |
| Structure | S | | | | | | | | Integrated type with LCD display |
| | L | | | | | | | | Remote type with 10 meter cable |
| Electrode material | M | | | | | | | | Ss316 |
| | T | | | | | | | | Titanium |
| | D | | | | | | | | Tantalum |
| | H | | | | | | | | Hastelloy Alloy C |
| | P | | | | | | | | Plstinum-Iridium |
| Signal output | 0 | | | | | | | | No output |
| | 1 | | | | | | | | 4-20mA/Pulse |
| Liner material | X | | | | | | | | Rubber |
| | P | | | | | | | | Propylene Oxide |
| | F | | | | | | | | PTFE |
| | A | | | | | | | | PFA |
| Power supply | 0 | | | | | | | | 110-240VAC |
| | 1 | | | | | | | | 24VDC(20-36VDC) |
| | 2 | | | | | | | | Battery power supply |
| communication | 0 | | | | | | | | NO communication |
| | 1 | | | | | | | | Modbus RS485 |
| | 2 | | | | | | | | Hart |
| | 3 | | | | | | | | GPRS |
| connection | DXX | | | | | | | | D16 DIN PN16 Flange, D25 DIN PN25 Flange..... |
| | AXX | | | | | | | | A15 ANSI150#Flange A30 ANSI300#Flange..... |
| | JXX | | | | | | | | J10 JIS 10K Flange J20 JIS 20K Flange..... |
| | XXX | | | | | | | | Other request |
| Body material | CS | | | | | | | | Carbon steel |
| | S4 | | | | | | | | Stainless steel 304 |

TUF-2000S Wall-Mounted Ultrasonic Flow Meter















DESCRIPTION

This flowmeter can be virtually applied to a wide range of measurement. A variety of liquid applications can be accommodated: ultra-pure liquids, potable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent. etc

| Type | | Performance Parameters |
|--|---|---|
| The main machine | Principle | Ultrasonic transit-time principle, the 4-byte floating point IEEE754 |
| | Accuracy | Flow: better than $\pm 1\%$, heat: better than $\pm 2\%$ |
| | Display | Can be connected to 2×10 backlit characters or 2×20 character LCD display, support for Chinese, English, Italian three languages. |
| | Single output | 4-20mA current output impedance $0 \sim 1K$, accuracy 0.1% |
| | | OCT pulse output (pulse width $6 \sim 1000ms$, default 200ms) |
| | | relay output |
| | Signal Input | 4-20mA current input, accuracy of 0.1%, can collect temperature, pressure, level and other signals |
| Can be connected to three-wire PT100 platinum resistance, heat measurements to achieve | | |
| Data interface | Isolated RS485 serial interface can be upgraded to the meter via a PC computer support protocols such as MODBUS | |
| specific cables | Custom twisted pair, limited to 50 meters under normal circumstances; optional RS485 communication, the transmission distance of up to km or more | |
| Pipeline situation | tube material | Steel, stainless steel, cast iron, cement pipe, aluminum, copper, PVC, FRP etc. All quality of pipeline, the lining is allowed |
| | Within the tube diameter | 32-100mm,50-700mm.300-6000mm |
| | Straight pipe section | Sensors installed point best meet: upstream 10 D, 5 D, downstream from pump discharge 30 D for pipe diameter (D) |
| Measuring media | Type | Water, sea water, industrial sewage, various oil, acid alkali, alcohol, beer can support such as ultrasonic single homogeneous liquid |
| | Temperature | $-30-130^{\circ}C$ |
| | turbidity | 10000ppm and bubble content is small |
| | flow velocity | $0 \pm 10m/s$ |
| work environment | Temperature | Host: $-20 \sim 60^{\circ}C$; Flow sensor: $-30 \sim 130^{\circ}C$ |
| | Humidity | Host: 85% RH; Flow sensor: can work immersed depth of 2 m or less (note: the sensor after the glue) |
| Power supply | DC8~36V or AC85~264V | |

TUF-2000S Wall-Mounted Ultrasonic Flow Meter

| Types | Picture | Spec. | Model | Measurement Range | Temperature | Dimension |
|--------------------|---|-------------|---------|-------------------|-------------|---------------------------------------|
| Clamp on |  | Small Size | TS-2 | DN32~DN100 | -30~60℃ | 45×25×32mm |
| |  | Medium Size | TM-1 | DN50~DN700 | -30~60℃ | 64×39×44mm |
| |  | Large Size | TL-1 | DN300~DN6000 | -30~60℃ | 97×54×53mm |
| High temp Clamp on |  | Small Size | TS-2-HT | DN32~DN100 | -30~130℃ | 45×25×32mm |
| |  | Medium Size | TM-1-HT | DN50~DN700 | -30~130℃ | 64×39×44mm |
| |  | Large Size | TL-1-HT | DN300~DN6000 | -30~130℃ | 97×54×53mm |
| Insertion |  | Standard | TC-1 | DN80~DN6000 | -30~130℃ | 190×80×55mm |
| |  | Lengthen | TC-2 | DN80~DN6000 | -30~130℃ | 335×80×55mm |
| Pipe |  | π type | G3 | DN15~DN25 | -30~130℃ | Pls refer to detailed pipe dimensions |
| |  | Standard | G2 | DN32/DN40 | -30~130℃ | |
| |  | Standard | G1 | DN50~DN6000 | -30~130℃ | |

| | | | | | | |
|--|---|-------------|---------|-------------|----------|--------------|
| Mounting Bracket Clamp on |  | Small Size | HS | DN25~DN100 | -30~60℃ | 318×59×85mm |
| |  | Medium Size | HM | DN50~DN300 | -30~60℃ | 568×59×85mm |
| |  | Extended | EB-1 | DN300~DN700 | -30~60℃ | 188×59×49mm |
| High Temperature Mounting Bracket Clamp on |  | Small Size | HS-HT | DN25~DN100 | -30~130℃ | 318×59×110mm |
| |  | Medium Size | HM-HT | DN50~DN300 | -30~130℃ | 568×59×110mm |
| |  | Extended | EB-1-HT | DN300~DN700 | -30~130℃ | 188×59×49mm |

| Ordering code |

| Converter | Flow Transducer | Diameter | Pipe Material | Pressure | Cable Length | Temperature Transducer | SD card Memory |
|------------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| TUF-2000S <input type="checkbox"/> | -DN <input type="checkbox"/> mm | - <input type="checkbox"/> MPa | - <input type="checkbox"/> m | - <input type="checkbox"/> | - <input type="checkbox"/> | - <input type="checkbox"/> | - <input type="checkbox"/> |
| W | TS-2 | 0 Carbon Steel | None | 0 Yes | | | |
| S | TM-1 | 1 Stainless Steel | CT-1 | 1 No | | | |
| D | TL-1 | 2 Cast Iron | TCT-1 | | | | |
| | TS-2-HT | 3 Glass Fiber reinforced | PCT-1 | | | | |
| | TM-1-HT | 4 PVC | SCT-1 | | | | |
| | TL-1-HT | 5 Cement | | | | | |
| | TC-1 | 6 Others | | | | | |
| | TC-2 | | | | | | |
| | G | | | | | | |

Example: TUF-2000SW+TM-1+DN300+0+1.6MPa+10m+PCT-1+0

PS: Standard configuration=TUF-2000SW(converter)+TM-1+5M cable +Steel belt (DN200)+Couplant(1 pc)

TUF-2000H Handheld Ultrasonic Flow Meter



1. Accuracy better than 1%.
2. Measurement range from DN15~DN6000mm
3. Built-in high-capacity NiMH rechargeable batteries can work 20 hours(Fully charged).
4. Can achieve measurement with clamp on sensors
5. 32K BIT built-in data storage, can store two thousand rows of data
6. LCD display can display the instant flow, total flow, flow velocity and working condition
7. temperature -30 ~ 60°C, -30 ~ 160°C

| | |
|-------------------------|---|
| Linearity | 0.5% |
| Repeatability | 0.2% |
| Accuracy | ±1% of reading at rates > 0.2 mps |
| Response Time | 0-999 seconds, user-configurable |
| Velocity | ±32 m/s |
| Pipe Size | 25mm-6000mm |
| Totalizer | 7-digit totals for net, positive and negative flow respectively |
| Liquid Types | Virtually all liquids |
| Security | Setup values Modification Lockout. Access code needs unlocking |
| Display | 4x8 Chinese characters or 4x16 English letters |
| Communication Interface | RS-232, baud-rate: from 75 to 57600. Protocol made by the manufacturer and compatible with that of the FUJI ultrasonic flow meter. User protocols can be made on enquiry. |
| Transducer Cord Length | Standard 5m x 2, optional 10m x 2 |
| Power Supply | 3 AAA built-in Ni-H batteries. When fully recharged it will last over 12 hours of operation. 100V-240VAC for the charger |
| Data Logger | Built-in data logger can store over 2000 lines of data |
| Manual Totalizer | 7-digit press-key-to-go totalizer for calibration |
| Housing Material | ABS |
| Case Size | 210x90x30mm |
| Handset Weight | 500g with batteries |

TUF-2000 Portable Ultrasonic Flow Meter



Portable ultrasonic flow meter realizes the non-contact measurement. It is ideal for flow surveys and closed-pipe application where non-invasive measurement of liquids is required. Built-in SD card and printer can timely or regularly print pre-set measuring results. Temperature and heat can also be measured by connecting clamp on temperature transducer. Widely be used in water supply, heat supply, chemical industry, machinery and energy resources.

| Items | Performance & Parameter | |
|-----------------------------|-------------------------|--|
| Flow meter | Principle | Transit time ultrasonic flow meter |
| | Accuracy | ±1% |
| | Display | 2×20 character LCD with back light, support the language of Chinese, English and Italian |
| | Signal Output | 1 way 4-20mA output, electric resistance 0~1K, accuracy 0.1% |
| | | 1 way OCT pulse output (Pulse width 6~1000ms, the default value is 200ms) 1 way relay output |
| Pipe Installation Condition | Signal Input | 3 way 4-20mA input,, acquire signals such as temperature, press and liquid level. Achieve to heat measurement by connecting the temperature transducer PT100. |
| | Data Interface | RS485 serial interface, upgrade the flow meter software by computer, support MODBUS |
| | Data Record | Thermal printer, external SD card(2G of capacity) |
| | Pipe Material | Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed. |
| Measuring Medium | Pipe Diameter | 25~6000mm |
| | Straight Pipe | Transducer installation should be satisfied: upstream 10D, downstream 5D, 30D from the pump |
| | Type of Liquid | Single liquid can transmit sound wave, such as water, sewage, oil, chemicals, plant effluent, beverage, ultra-pure liquids, etc. |
| | Temperature | -30~130°C |
| | Turbidity | Less than 10000ppm and little bubble |
| Working Environment | Flow rate | 0~±10m/s |
| | Temperature | Convertor: -20~60C; Transducer: -30~130C |
| Power Supply | Humidity | Convertor : 85%RH; Transducer protection level:IP67 |
| | | 8 built-in Ni-MH batteries 1.2V(for over 20 hours of operation) Could operate 8 hours by connecting 4-20mA signal output. 90V - 260V AC adapter |
| Power Consumption | 1.5W | |

Oval Gear Flow Meter



& DESCRIPTION

Oval gear flow meter is pointer and Lcd display. It is a kind of light volume flow meter of which the print wheel has cumulative count and zero. This flow meter is widely used in various industrial areas to control the liquid flow.

It is application to all types of liquid measuring, such as crude oil, diesel, gasoline and so on. with great range and high precision. convenient use and maintenance. Different materials selected can meet the petroleum, chemical, pharmaceutical, food, metallurgy, electricity, transportation and other fields of liquid flow measurement.

& OPERATING PRINCIPLE

Fluid enters inlet port and then passes through the metering chamber. Inside the chamber, fluid forces the internal gears to rotate before exiting through the outlet port. Each rotation of the gears displaces a specific volume of fluid. As the gears rotate, a magnet on each end of the gear passes a reed switch in the top mounted register's circuit board.

1. Application: high viscosity liquid, as heavy oil, fuel oil, diesel oil, ect.
2. Accuracy : class 0.5, class 0.2
3. Measured media temp : -10Deg C ~ +200Deg C
4. Output signal: 4-20mA, Pulse output, RS485
5. LCD Display. pointer display.
5. Viscosity : 0.3 to 2000mPa.S
6. Body material: cast steel , cast iron , stainless steel
7. Working pressure: PN1.6 to 6.4



& MODEL SELECTION

| Model | | | | | | | Instruction |
|---------------------|-----|---|---|---|---|---|--------------------------------|
| LC | / | / | / | / | / | / | |
| Diameter | 10 | | | | | | 10mm |
| | 15 | | | | | | 15mm |
| | 20 | | | | | | 20mm |
| | 25 | | | | | | 25mm |
| | 40 | | | | | | 40mm |
| | 50 | | | | | | 50mm |
| | 80 | | | | | | 80mm |
| | 100 | | | | | | 100mm |
| | 150 | | | | | | 150mm |
| | 200 | | | | | | 200mm |
| Instrument Type | 1 | | | | | | Standard Type |
| | 2 | | | | | | High Temperature Type |
| | 3 | | | | | | High Viscosity Type |
| Instrument Material | 1 | | | | | | Cast Iron |
| | 2 | | | | | | Cast Steel |
| | 3 | | | | | | Stainless Steel |
| Pressure type | 1.6 | | | | | | (1.6Mpa) |
| | 2.5 | | | | | | (2.5MPa) |
| | 4.0 | | | | | | (4.0MPa) |
| | 6.4 | | | | | | (6.4MPa) |
| Signal Output Type | 1 | | | | | | No signal Output |
| | 2 | | | | | | Pulse Output |
| | 3 | | | | | | 4-20mA Output |
| Instrument head | 1 | | | | | | Mechanical pointer display |
| | 2 | | | | | | Resetable head pointer display |
| | 3 | | | | | | LCD display |
| LC | 15/ | 1 | 1 | 1 | 1 | 1 | Selection Example |