

PRODUCT CATALOGUE

SMART INSTRUMENTATION SOLUTIONS
FOR A SMARTER INDUSTRY



FIELD INSTRUMENTS &
VALVE PACKAGING



IN-HOUSE VALVE
AUTOMATION



IOT
SOLUTIONS



VALVE SERVICING
& AMC



INSTRUMENT
CALIBRATION



nexflowprocess.com



sales@nexflowprocess.com



+91 96188 89008



Head Office

Plot No 114, Reddy Enclave, Alwal,
Secunderabad, Telangana 500010.

Catalog

Pressure Transmitter	01-12
Pressure Gauge	13-18
Pressure Calibrator	19-26
Dead Weight Tester	27-28
Level Transmitter	29-48
Flow Transmitter	49-69
Density Meter	69-70
Temperature Transmitter	71-76

NEXFLOW
PROCESS AUTOMATION



Pressure Transmitter

Description:

YD series pressure transmitter uses a piezoresistive pressure sensor. Piezoresistive sensor is a type of pressure sensor. Piezoresistive pressure sensors are also called diffused silicon pressure sensors. Piezoresistive pressure transmitter, the sensor signal is converted into a standard signal output after the signal processing circuit. The product has been strictly screened by long term aging and stability assessment, and its performance is stable and reliable. It is used in open air sites with harsh environment, and it is required to be able to observe the pressure display on site, and the occasions that require zero point migration and range adjustment.

Principle:

The pressure transmitter is used to measure the liquid level, density and pressure of a liquid, gas or vapor, and then converts the pressure signal into a 4-20 mA signal output. There are capacitive pressure transmitter and diffused silicon pressure transmitter, ceramic pressure transmitter, strain type pressure transmitter, etc. , the Wheatstone bridge, composed of resistors distributed on the sensitive diaphragm, utilizes the piezoresistive effect to convert the pressure into an electrical signal, amplifying the millivolt signal generated by the sensitive element into an industrial standard signal through an electronic circuit.

Advantage:

1. Digital ASIC, accuracy and stability Drift affect small
2. Excellent long-term stability High overloading
3. Excellent anti-jamming capability
4. Overvoltage overcurrent protection, reverse polarity protection

Application:

Suitable for process control and pressure measurement in petroleum, chemical, metallurgy, electric power, light industry, textile, building materials, hydrogeology, food, medicine, environmental control and other industries



P Product Show

YD31 Series Universal Industrial Pressure Transmitter

The YD31 series universal type pressure transmitter, using high quality imported Germany Brand piezoresistive pressure cells with isolated stainless steel diaphragm, is widely used in various industrial automatic control environment, water control services and hydro-power, intelligent building, production control, petrochemical, oil, electric power, pipeline and many other industries due to high reliable long-time running, stable performance, strong anti-interference ability.



YD31-H Universal Type Industrial Pressure Transmitter

- ☆ Pressure range: -1 ~0~0.1 bar... 1000 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V, 0.5-4.5V, RS485
- ☆ Power supply: 7-30VDC/12~30VDC/8~30VDC/15-30VDC
- ☆ Pressure port: G1/4", 1/4"NPT, M20*1.5 or by customized
- ☆ Accuracy: G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Working temperature: 0.1%FS; 0.25%FS; 0.5%FS optional
- ☆ Certificate: -40°C~85°C/150°C optional
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD31-C8 Universal Type Industrial Pressure Transmitter

- ☆ Pressure range: -1 ~0~0.1 bar... 1000 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V, 0.5-4.5V, RS485
- ☆ Power supply: 7-30VDC/12~30VDC/8~30VDC/15-30VDC
- ☆ Pressure port: G1/4", 1/4"NPT, M20*1.5 or by customized
- ☆ Accuracy: G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Working temperature: 0.1%FS; 0.25%FS; 0.5%FS optional
- ☆ Certificate: -40°C~85°C/150°C optional
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD31-C5 Universal Type Industrial Pressure Transmitter

- ☆ Pressure range: -1 ~0~0.1 bar... 1000 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V, 0.5-4.5V, RS485
- ☆ Power supply: 7-30VDC/12~30VDC/8~30VDC/15-30VDC
- ☆ Pressure port: G1/4", 1/4"NPT, M20*1.5 or by customized
- ☆ Accuracy: G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Working temperature: 0.1%FS; 0.25%FS; 0.5%FS optional
- ☆ Certificate: -40°C~85°C/150°C optional
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS

P Product Show

YD32-S series Mini pressure Pressure Transmitter

The pressure transducer uses Switzerland brand ceramic sensors for manufacturing, providing high burst/over pressure protection, high reliable long time running, stable performance, strong anti-interference ability and max 8 million pressure cycles lifetime. Applied in the field of air compressors, hydraulic pressure, (variable frequency)water supply system, braking systems, engine oil pressure and gas pressure measurement.



YD32-S1 Water Supply Application

- ☆ Pressure range: -1~0~1 bar...600 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V/0.5~4.5V
- ☆ Power supply: 10-30VDC/ 8-30VDC/15~30VDC/5±0.25 VDC
- ☆ Pressure port: 1/8"NPT male; 1/4"NPT male; 1/4"NPT Female; G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Accuracy: 0.25%FS; 0.5%FS
- ☆ Working temperature: -35°C~125°C
- ☆ Certificate: CE, RoHS



YD32-S2 IP67 Universal Application OEM Type

- ☆ Pressure range: -1~0~1 bar...600 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V/0.5~4.5V
- ☆ Power supply: 10~30VDC/ 8~30VDC/15~30VDC/5±0.25 VDC
- ☆ Pressure port: 1/8"NPT male; 1/4"NPT male; 1/4"NPT Female; G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Accuracy: 0.25%FS; 0.5%FS
- ☆ Working temperature: -35°C~125°C
- ☆ Certificate: CE, RoHS



YD32-S3 IP65 Universal Application OEM Type (DIN43650 A)

- ☆ Pressure range: -1~0~1 bar...600 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V/0.5~4.5V
- ☆ Power supply: 10~30VDC/ 8~30VDC/15~30VDC/5±0.25 VDC
- ☆ Pressure port: 1/8"NPT male; 1/4"NPT male; 1/4"NPT Female; G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Accuracy: 0.25%FS; 0.5%FS
- ☆ Working temperature: -35°C~125°C
- ☆ Certificate: CE, RoHS

P Product Show



YD32-S4 IP65 Universal Application OEM Type (M12 Connector)

- ☆ Pressure range: -1~0~1 bar...600 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V/0.5~4.5V
- ☆ Power supply: 10~30VDC/ 8~30VDC/15~30VDC/5±0.25 VDC
- ☆ Pressure port: 1/8"NPT male; 1/4"NPT male; 1/4"NPT Female; G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Accuracy: 0.25%FS;0.5%FS
- ☆ Working temperature: -35°C~125°C
- ☆ Certificate: CE, RoHS



YD33 LED/LCD Indicator Pressure Transmitter

YD32 digital smart industrial pressure transmitter with LED/LCD display adopts high quality imported piezoresistive pressure sensor, it can read value locally, and is easy for use. It has a fully welded 316L stainless steel housing, with high shock and vibration resistance and EMI/RFI protection function. It will survive in the most extreme conditions. Special circuits are adopted to zero and full range conveniently.

- ☆ Pressure range: -1 to 0...0 to 1000 bar optional
- ☆ Output: Current 2-wire: 4 ~ 20mA Option: RS485 Hart
- ☆ Power supply: DC24V (12 ~ 32VDC, less may contact)
- ☆ Pressure port: M20 × 1.5 external thread (standard) (optional other connections)
- ☆ Accuracy: ± 0.1%FS, ± 0.2%FS, ± 0.5%FS, ± 1%FS
- ☆ Working temperature: -30 ~ 80 °C
- ☆ Certificate: CE



YD34-1 & YD34-2 Series Flush Pressure Transmitter/Sanitary Tri-Clamp Pressure Transmitter

YD34 series of flat film pressure transmitters directly sense the pressure signal by welding the diaphragm to the front end of the process interface, using the diffused silicon chip as the sensitive element, and the special digital circuit, after signal amplification, linear compensation, anti interference, and anti surge protection It is a flat membrane pressure measurement product that outputs industry standard signals such as signal processing.

- ☆ Pressure range: -0.1MPa ~ 0 ~ 10MPa
- ☆ Output: Current 2-wire: 4 ~ 20mA Voltage 3-wire : 0 ~ 5V; 0 ~ 10V; 1 ~ 5V; 1 ~ 10V Option: RS 485 ,hart
- ☆ Power supply: 10~30VDC/ 8~30VDC/15~30VDC/5±0.25 VDC
- ☆ Pressure port: 50.5mm clamp
- ☆ Accuracy: ± 0.1%FS, ± 0.2%FS, ± 0.5%FS, ± 1%FS
- ☆ Working temperature: -30 ~ 80 °C
- ☆ Certificate: CE

P Product Show



YD35-1 Temperature and pressure integrated transmitter

YD35-1 temperature and pressure integrated transmitter adopts advanced piezoresistive pressure sensor and PT-100 temperature sensor, which is converted into a standard output signal through a special signal conditioning circuit. It has the advantages of advanced temperature digital compensation, wide operating temperature range and full output signals. It is suitable for the monitoring of pressure and temperature in crude food and water treatment systems.

- ☆ Pressure range: 0~10kPa ... 70MPa
- ☆ Temperature Range: -20~100°C (PT-100)
- ☆ Output: 4~20mA/0.5~4.5V/RS485
- ☆ Power supply: 10~30VDC
- ☆ Pressure port: G1/4, M12*1, M10*1, NPT1/4, G1/2, M20*1.5 etc. other connection sother connections)
- ☆ Accuracy : Pressure: ±0.5%FS Temperature: ±2%FS
- ☆ Working temperature: -20 ~ 85 °C
- ☆ Certificate: CE



YD35-2 Throw-in Type Level & Temperature Pressure Transmitter

YD35-2 temperature and liquid level integrated pressure transmitter adopts advanced piezoresistive pressure sensor and PT-100 temperature sensor, which is converted into standard output signal through special signal conditioning circuit, with advanced temperature digital compensation, wide operating temperature range, and full output signal. It is suitable for the monitoring of liquid.

- ☆ Pressure range: 0~1...200mH2O
- ☆ Temperature Range: -20~100°C, (PT-100)
- ☆ Output: 4~20mA/0.5~4.5V/RS485
- ☆ Power supply: 10~30VDC
- ☆ Pressure port: Throw-in Type
- ☆ Accuracy : Pressure: ±0.5%FS ① Temperature : ±2%FS
- ☆ Working temperature: -20 ~ 85 °C
- ☆ Certificate: CE



YD36-1 & YD36-2 Series Differential pressure transmitter

series of micro-pressure transmitter for HVAC, industrial equipment, intelligent buildings, test stations and other places of micro-pressure differential display and signal acquisition. It uses high-precision micro-pressure core. Can switch a variety of pressure units, easy to operate.

- ☆ Pressure range: -10,000 ~ +10,000Pa Minimum 0 ~ +1000Pa
- ☆ Output: 0~5VDC, 0~10VDC, 4~20mA, RS-485
- ☆ Power supply: 12~30VAC/VDC
- ☆ Pressure port: Ribbed 6.2mm
- ☆ Accuracy : ±1.0%
- ☆ Working temperature: -10 ~ +60 °C
- ☆ Certificate: CE



Product Show

Product Show



YD36-3 & YD36-4 Series Differential pressure transmitter

YD36 series differential pressure transmitter adopts imported chip and is made by advanced technology and processes. The circuit linearity and temperature compensation technologies make it better performance. It is compact with stable structure and light weight. This product is suitable for the pressure or Pa differential pressure measurement of various dry and non-corrosive gases with high measurement accuracy, widely used in many fields such as electrical power, environmental protection, dust removal, textile, leakage detection and etc.

- ☆ Pressure range: 0-200kpa max or ± 100 kPa
- ☆ Output: 4-20mA 0-5V 0-10 V 0.5-4.5V RS485
- ☆ Power supply: 8-30V with potentiometer/ 24-30V without potentiometer
- ☆ Pressure port: $\Phi 8$ gas port, $\Phi 6$ gas port, quick connector optional
- ☆ Accuracy: 0.5%FS typical; 0.25%FS (By customized) optional
- ☆ Working temperature: $-10^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD36-5 Series Differential pressure gauge

This differential pressure gauge using frictionless magnetic components, can rapidly measure the micro pressure air or non corrosive gases, including positive, negative (vacuum) or differential. No wear, hysteresis and clearance. Not filling, vaporization and freezing. This design has anti vibration, anti shake and high overpressure capability, you can guarantee access to high precision. The design impact, shock and overload protection.

- ☆ Pressure range: ± 50 KPa
- ☆ Pressure port: 1/8" NPT (F) high and low pressure taps, duplicated, one
- ☆ Accuracy: $\pm 2\%$ FS ($\pm 3\%$ FS on 125Pa, $\pm 4\%$ FS on 60Pa) 21°C Con 60Pa) 21°C Con 60Pa) 21°C
- ☆ Working temperature: $-6.67^{\circ}\text{C} \sim 60^{\circ}\text{C}$,
- ☆ Certificate: CE, RoHS



YD37 High Temperature Industrial Pressure Transmitter

YD37 series High Temperature Pressure Transmitter/Transducer uses high quality imported sputter film pressure sensor diaphragm and sapphire pressure sensors is suited for media temperatures up to 200°C . The pressure, acting onto the flush diaphragm, is transferred over an oil-filled capillary onto the silicon measuring cell. The capillary has the function of a cooling spiral, allowing media temperatures of up to 200°C for highly aggressive media.

- ☆ Pressure range: $-0.1\text{MPa} \sim 0 \sim 100\text{MPa}$
- ☆ Output: Current 2-wire: 4 ~ 20mA
Voltage 3-wire: 0 ~ 5V; 0 ~ 10V; 1 ~ 5V; 1 ~ 10V Option: RS 485, Hart
- ☆ Power supply: DC24V (12 ~ 32VDC, less may contact)
- ☆ Pressure port: M20 $\times$ 1.5 external thread (standard) (optional other connections)
- ☆ Accuracy: $\pm 0.1\%$ FS, $\pm 0.2\%$ FS, $\pm 0.5\%$ FS, $\pm 1\%$ FS
- ☆ Working temperature: $-30 \sim 300^{\circ}\text{C}$
- ☆ Certificate: CE



YD38 series Melt Pressure Transmitter

The YD38 series melt pressure transmitter is a wide range of robust mV/V, mA, VDC melt pressure sensors (transducers and transmitters), specifically designed for the harsh environments of the extrusion and polymer processing industries, from specifying a variety of diaphragm materials to adapting to different port configurations and process connections, YUNYI also provides the customized products for unique applications.

YD38-230 Melt Pressure transmitter

- ☆ Pressure range: 0~10 bar...1500 bar; 0-150PSI...20000 Psi optional
- ☆ Output: 4~20mA, 0~5V/0~10V optional
- ☆ Power supply: DC24V
- ☆ Electronic wire: 5 pins or 6 pins Connector or Fixed cable
- ☆ Pressure port: 1/2"-20 UNF Male or by customized
- ☆ Accuracy: 0.25%FS; 0.5%FS optional
- ☆ Working temperature: $0^{\circ}\text{C} \sim +400^{\circ}\text{C}$
- ☆ Certificate: CE, Exiall CT6 Ga, RoHS



YD38-233 Melt Pressure transmitter

- ☆ Pressure range: 0~10 bar... 1500 bar; 0-150PSI...20000 Psi optional
- ☆ Output: 4~20mA, 0~5V/0~10V
- ☆ Power supply: 24VDC
- ☆ Thermocouple type: J, K, E, PT100
- ☆ Electronic wire: 5 pins or 6 pins .Fixed cable
- ☆ Pressure port: 1/2"-20 UNF Male by customized
- ☆ Accuracy: 0.25%FS; 0.5%FS optional
- ☆ Working temperature: $0^{\circ}\text{C} \sim +400^{\circ}\text{C}$
- ☆ Certificate: CE, Exiall CT6 Ga, RoHS



P Product Show



YD39 Series Standard Industrial Differential Pressure Transmitter

YD39 series differential pressure transmitter can measure the differential pressure of liquids or gases, for wide range of general purpose and industrial applications. Get all the great performance characteristics of the micro-machined silicon transducers in these 316L stainless steel differential pressure models. It utilizes a double diaphragm sensor technology that outperforms standard double sensor products in accurate, reliable and static operating pressure.

- ☆ Pressure range: 0~20kPa.....35kPa...~2MPa
- ☆ Max static line pressure: 5X rated range or 7MPa which ever is less
- ☆ Output: 4~20mA 0~10/20mA 0/1~5/10VDC
- ☆ Power supply: 15~36VDC
- ☆ Pressure port: G1/4 Female 6 air cock or customize
- ☆ Accuracy : ±0.25%FS(Typical) ±0.5%FS(Max.)
- ☆ Working temperature: -20°C~80°C
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD40 Explosion-proof Pressure Transmitter

- ☆ Pressure range: -1 ~0~0.1 bar... 1000 bar optional
- ☆ Output: 4~20mA, 0~5V/0~10V, 0.5-4.5V, RS485
- ☆ Power supply: 7-30VDC/12~30VDC/8~30VDC/15-30VDC
- ☆ Pressure port: G1/4", 1/4"NPT, M20*1.5 or by customized G1/2" male; G1/4"male/female, 7/16"-20 UNF male
- ☆ Accuracy: 0.1%F.S; 0.25%F.S; 0.5%F.S optional
- ☆ Working temperature: -40°C~85°C optional
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD41-1 Refrigeration Pressure Transmitter

YD41-1 pressure transmitter adopts ceramic capacitor core, which is an ideal choice for refrigerant pressure measurement occasions. The standard 0.5-4.5V output signal, has the advantages of wide operating temperature high precision, high waterproof level, and anti-condensation water. It is suitable for the pressure measurement of most common refrigerants, and also has a high burst pressure.

- ☆ Pressure range: 0~50Bar
- ☆ Output: 0.5~4.5V(Proportional voltage output)
- ☆ Power supply: 4.75~5.25VDC
- ☆ Pressure port: 7/16-20UNF Internal thread / 7/16-20UNF External thread pair side
- ☆ Accuracy: + 1.5%FS (-20~80)°C, +2.5%FS(-40 ~ 120)°C
- ☆ Working temperature: -40~1200
- ☆ Certificate: CE, RoHS

P Product Show



YD41-2 Refrigeration Pressure Transmitter

YD41-2 refrigeration pressure transmitter adopts a high-performance pressure-sensing core, and with advanced circuit processing and temperature compensation technology to convert pressure changes into linear voltage signals. The product is small in size, easy to install, adopts stainless steel shell for isolation and anti-corrosion, and has a wide operating temperature range. It is suitable for measuring gas and liquid and other media that are compatible with the materials in contact with it. It is widely applied in the medium pressure measurement of all conditioning, refrigeration, cooling systems and other test systems.

- ☆ Pressure range: 0~50Bar
- ☆ Output: 0.5~4.5V(Proportional voltage output)
- ☆ Power supply: 4.75~5.25VDC
- ☆ Pressure port: 7/16-20UNF Internal thread / 7/16-20UNF External thread pair side
- ☆ Accuracy: ±2.0%FS (-30~120°C) / ±0.8%FS (-40~40°C)
- ☆ Working temperature: -40-120T
- ☆ Certificate: CE, RoHS



YD42 Series Smart Industry Pressure Switch

YD42 series intelligent pressure switch is an intelligent digital pressure measurement and control products, which with pressure measurement, display, output and control integrated. This product is a full electronic structure, use isolated silicon oil filled diaphragm as sensing components, the output signal is composed of high precision, low drift amplifier processing, signal send into the high precision A/D converter, the digital signals into the microprocessor can processing and through processing the signal can control two channels switch, which is monitoring and control of the pressure control system. The intelligent digital pressure switch is flexible to use, simple operation, easy debugging, safe and reliable. Widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries, the fluid medium pressure measurement display and control.

- ☆ Pressure range: -1 Bar-1 Bar; 0-0.1 Bar 1000 Bar / 0-2 Psi...15000 Psi Optional
- ☆ Output: Two switches output;
One switch with 4~20mA or RS485 as output signal;
Two switches with 4~20mA or RS485 as output signal optional
- ☆ Power supply: 12~32V DC
- ☆ Pressure port: G1/4" male, G1/2" male, 1/8"NPT male, 1/4"NPT male, 1/2"NPT male and female optional. (by customized) one pair back
- ☆ Accuracy : ≤ ±0.5%FS
- ☆ Working temperature: -20°C~80°C
- ☆ Certificate: CE, RoHS



YD43 Explosion-proof digital pressure controller

- ☆ Range: 0-100MPa optional
- ☆ Output: 4~20mA, Two control point relay
- ☆ Power supply: 24VDC/220VAC
- ☆ Accuracy : 0.5%F.S
- ☆ Working temperature: -20°C~70°C (Customized)
- ☆ Cable : PE Cable; PU Cable; FEP Cable
- ☆ Certificate: Exd IIC T6 Gb
- ☆ Overload capability: Overload capability

P Product Show



YD-3051-1 Explosion-proof Pressure Transmitter

- ☆ Pressure range: 0- 0.1kPa...40MPa
- ☆ Sensor: ceramic capacitor
- ☆ Output: 4~20mA /4~20mA+Hart
- ☆ Power supply: 12VDC-36VDC
- ☆ Pressure port: NPT1/4 + Φ14
- ☆ Accuracy : 0.1%FS; 0.25%FS ;0.5%FS optional
- ☆ Working temperature: -40°C~120°C
- ☆ Certificate: Exd II CT6,Exia II CT4



YD-3051-2 High Accuracy Explosion-proof Pressure Transmitter

- ☆ Pressure range: 0- 0.1kPa...40MPa
- ☆ Sensor: single crystal silicon
- ☆ Output: 4~20mA /4~20mA+Hart
- ☆ Power supply: 12VDC-36VDC
- ☆ Pressure port: NPT1/4 + Φ14
- ☆ Accuracy : 0.075 %FS; 0.05 %FS optional
- ☆ Working temperature: -40°C~120°C
- ☆ Certificate: Exd II CT6,Exia II CT4



YD-2088-1 Explosion-proof Pressure Transmitter

- ☆ Pressure range: -1~0~0.1bar...1000 bar optional
- ☆ Sensor: Diffused silicon
- ☆ Output: 4-20mA, 0~5V, 1-5V, 0-10V,RS485 Hart
- ☆ Power supply: 12-30VDC
- ☆ Pressure port: 1/2"NPT mal/ 1/4"male/ G1/2"male/ M20x1.5 male or by customized
- ☆ Accuracy : ±0.5%FS, =±0.25%FS (customerized)
- ☆ Working temperature: -40°C~85°C or -40~125°C
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YD-2088-2 High Accuracy Explosion-proof Pressure Transmitter

- ☆ Pressure range: 0~0.005bar...1000 bar optional
- ☆ Sensor: Single crystalline silicon
- ☆ Output: 4-20mA, 0~5V, 1-5V, 0-10V,RS485 Hart
- ☆ Power supply: 12-30VDC
- ☆ Pressure port: 1/2"NPT mal/ 1/4"male/ G1/2"male/ M20x1.5 male or by customized
- ☆ Accuracy : 0.075 %F.S; 0.05 %F.S optional
- ☆ Working temperature: -40°C~85°C or -40~125°C
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS

P Product Show



Gauge and Absolute Piezoresistive OEM Pressure Sensor

- ☆ Pressure range: 1\1.6\2.5\4\6\10\25\40\60\1 00MPa
- ☆ Output: 0mV- 50mV~300mV
- ☆ Power supply: 1.5mA
- ☆ Compensated Temperature: -10°C~+80°C



Gauge and Absolute Piezoresistive OEM Pressure Sensor

- ☆ Pressure range: 10\20\35\70\1 00\ 60\250\400\600 kPa
- ☆ Output: 1\1.6\2.5\4\6\10\25\40\60\100 MPa
- ☆ Power supply: 0mV- 50mV~300mV
- ☆ Compensated Temperature: 0~50°C<200KPa{-10~80°C>200KPa)



Flat Membrane Piezoresistive OEM Pressure Sensor

- ☆ Pressure range: 10\20\35\70\1 00M 60\250\400\600 kPa
- ☆ Output: 1\1.6\2.5\4 MPa
- ☆ Power supply: 0mV- 50mV~200mV
- ☆ Compensated Temperature: 1.5mA
- ☆ Compensated Temperature: -10°C~+80°C



Differential Piezoresistive OEM Pressure Sensor

- ☆ Pressure range: 20\35\70\100\200\350\700 kPa
- ☆ Output: 1\2\3.5MPa
- ☆ Power supply: 0mV- 50mV~200mV
- ☆ Compensated Temperature: 1.5mA
- ☆ Compensated Temperature: -10°C~+80°C

Pressure Gauge

Description:

YK series digital pressure gauge for measurement is a high precision, high stability digital pressure gauge specially designed for high demand pressure measurement. The digital pressure gauge adopts a quartz resonant sensor, and its stability and pressure uncertainty are significantly higher than other pressure measuring instruments.



Principle:

Power part: (AC 220V after switching circuit, converted to) the required DC voltage, and then supply the required circuit through the voltage regulator circuit, or (24V) DC voltage directly supply the required circuit through the voltage regulator circuit. or internal rechargeable lithium battery power supply Signal part: the pressure of the measured medium is transmitted to the pressure-sensitive diaphragm of the sensor through the pressure interface. The sensor amplifies the induced electric signal and converts it into V/A, send CPU for processing, setting display digital, control switch output, and provide analog or digital output to achieve pressure display, control and transmission process.

Advantage:

1. Micro power consumption, high accuracy, high definition digital LCD display
2. Small size, easy to operate, easy to use in field calibration and precise pressure measurement
3. Intelligent calibration, linearity repair, two second magnetic pen induction zero adjustment
4. The liquid crystal display has a dynamic pressure value display function, which can directly display the pressure percentage
5. Pressure Units: mmH₂O mmHg psi kPa MPa Pa mbar bar Up to ten pressure units (optional)
6. The digital pressure gauge comes with 485 RTU protocol, and the supporting PC software can monitor the transmission data in real time

Application:

1. Calibration standard for (differential) pressure transmitters and pressure gauges. Chemical
2. online monitoring
3. Raw material monitoring in pharmaceutical factory water pressure test Pressure measurement of tanks in printing plants
4. Sewage Pipeline Monitoring



Product Show



YK-80 Digital pressure gauge

This YK-80 Intelligent digital pressure gauge is an online measuring instrument mainly controlled by a single chip microcomputer. This product adopts high quality pressure sensor core, which has the advantages of high accuracy, corrosion resistance, impact resistance, vibration resistance, low temperature drift, and good stability; it uses a low power microprocessor to delay battery life, without external power supply, installation and use Convenience. It can be used for gauge pressure, absolute pressure, and differential pressure detection. It has a variety of forms, including ordinary type, explosion proof type, diaphragm type, etc.; it can meet various measurement needs. It fundamentally overcomes many shortcomings of pointer pressure gauges, such as low accuracy, poor reliability, and high damage rate, especially in corrosive and vibrating locations. This product is widely used in petroleum, chemical, aviation and various industrial gas and liquid fields.

- ☆ Pressure range: -0.1~0~100MPa
- ☆ Power supply: 3 AAA batteries Rs485 (7-24)V
- ☆ Pressure port: M20x1.5 Male or oem
- ☆ Accuracy : 0.2%FS ,0.5%FS,1%FS
- ☆ Working temperature: -20~80°C
- ☆ Display 4-digit display



YK-100 Digital pressure gauge

This YK-100 digital pressure gauge adopts imported sensors, with superior performance, high precision, anti corrosion, anti shock, anti vibration, high stability, etc. The signal processing circuit adopts the latest ultra low power processor, signal processing chip and power management The chip is composed of a large capacity high performance lithium battery for power supply, and no external power supply is required. With 5-digit display and analog percentage display, the reading is intuitive and convenient.

- ☆ Pressure range: -0.1~0~250MPa
- ☆ Power supply: Lithium battery
- ☆ Pressure port: M20x1.5 Male or oem
- ☆ Accuracy : 0.25%FS,0.4%FS
- ☆ Working temperature: -10~60°C
- ☆ Display 5-digit dynamic display + simulated light bar instructions



YK-100B Digital pressure gauge High Accuracy

This YK-100B Digital pressure gauge is a new micro power smart product developed by our company. It uses advanced micro power devices and unique software processing technology to truly continuously measure pressure values. The built in LI battery can work continuously for more than 3 years in 24 hours; it adopts a large screen segment code wide viewing angle LCD display window, and the reading is very eye catching and intuitive. Before out factory, it has undergone high and low temperature aging, stress aging and temperature compensation processes, and can ensure the accuracy of the product even under the harsh conditions of (0 ~ 50) °C, within one year, and 99% confidence probability.

- ☆ Pressure range: -0.1-250MPa
- ☆ Power supply: Rechargeable lithium battery
- ☆ Output: RS485
- ☆ Pressure port: M20x1.5 Male or oem
- ☆ Accuracy : 0.25%FS,0.1%FS,0.05%FS
- ☆ Working temperature: -10~60°C
- ☆ Display 5-digit dynamic display + simulated light bar instructions

Product Show



YK-120B Digital pressure gauge High Accuracy

This YK-120B high precision digital pressure gauge for measurement is a high precision, high stability digital pressure gauge specially designed for high demand pressure measurement. The digital pressure gauge adopts a quartz resonant sensor, and its stability and pressure uncertainty are significantly higher than other pressure measuring instruments, which can truly replace the piston pressure gauge as a new generation of digital pressure gauges as the pressure reference.

- ☆ Pressure range: -0.1~0~250MPa
- ☆ Power supply: Rechargeable lithium battery
- ☆ Output: RS485
- ☆ Pressure port: M20x1.5 Male or oem
- ☆ Accuracy : 0.05%FS,0.02%FS
- ☆ Working temperature: -10~60°C
- ☆ Display 5-digit dynamic display + simulated light bar instructions



General Pressure Gauge

Overview:
Used to measure the pressure or negative pressure of liquids, vapors and gases that do not corrode lead and steel alloys.

Technical Parameters:

Name	Range	Accuracy	Dia (mm)
pressure gague	0~40MPa(60mm) 0~200MPa(100mm/150mm)	2.5% , 1.6%,1%	60mm/100mm/150mm
back pressre gauge	0~40MPa(60mm) 0~200MPa(100mm/150mm)	2.5% , 1.6%,1%	60mm/100mm/150mm
back with fange pressre gauge	0~40MPa(60mm) 0~200MPa(100mm/150mm)	2.5% , 1.6%,1%	60mm/100mm/150mm
bottom with fange pressre gauge	-0~100MPa	2.5% , 1.6%,1%	100mm
vacuum pressure gauge	-0.1~0~2.4MPa	2.5% , 1.6%,1%	60mm/100mm/150mm



Shock-proof Pressure Gauge

Overview:
Shock-proof pressure gauges are mainly used for pressure detection in metallurgical, electric power, petroleum, chemical, machinery and other industrial sectors. Pressure gauges rely on internal glycerine or silicone oil and supporting buffer devices and other measures to play a good seismic performance. It is suitable for the occasions where the pressure of the measured medium has strong pulse changes or pressure shocks and often sudden unloading in the production process, as well as places with large environmental vibration. The instrument can measure the average value of the gas and liquid pulsating pressure to overcome the damage caused by the strong pulse of the medium and the environmental vibration to the instrument and ensure the accuracy of the reading.

- ☆ Accuracy:1%,1.6%,2.5%
- ☆ Range:0-0.1~60MPa(60mm),0-0.1~100MPa(100mm),-0.1~0~2.4MPa
- ☆ Unit:MPa,bar,psi,kpa,kgf/cm2
- ☆ Material:Stainless steel case, brass thread and bourdon tube
- ☆ Dia: 1.5inch,2inch,2.5inch,4inch, 6inch,8inch
- ☆ Environment Temperature: -40~70 C
- ☆ Theard:NPT,BSP(G),BSPT(ZG)- 1/8,1/4,3/8,1/2,M10*1, M14*1.5,M20*1.5
- ☆ Connection: bottom,back,back with flange, back with fixed trestle

P Product Show



Stainless Steel Pressure Gauge

Overview:

Stainless steel (shockproof) pressure gauges are widely used in petroleum, chemical, chemical fiber, metallurgy, power stations and other industrial sectors with corrosion resistance, shock resistance and other high requirements of the process process to measure the pressure of various fluid media.

- ☆ Accuracy: 1%, 1.6%, 2.5%
- ☆ Range: 0-0.1~60MPa(60mm), 0-0.1~200MPa(100mm), -0.1~0~2.4MPa
- ☆ Unit: MPa, bar, psi, kpa, kgf/cm²
- ☆ Material: 304SS, 316SS
- ☆ Dia: 1.5inch, 2inch, 2.5inch, 4inch, 6inch, 8inch
- ☆ Environment Temperature: -40~200℃, -40~70℃ (Liquid Filled)
- ☆ Thread: NPT, BSP(G), BSPT(ZG)- 1/8, 1/4, 3/8, 1/2, M10*1, M14*1.5, M20*1.5
- ☆ Connection: back, bottom



Capsule Pressure Gauge

Overview:

Capsule pressure gauge is used to measure the gas micro-pressure and negative pressure without explosion danger. It is widely used in boiler ventilation and gas pipeline equipment. The instrument can be installed and indicated on the spot.

- ☆ Accuracy: 2.5%
- ☆ Range: 0-60kpa, -60kpa~0~60kpa
- ☆ Unit: mbar, psi, kpa, mmH₂O
- ☆ Material: stainless steel case, brass joint, stainless steel
- ☆ Dia: 2.5inch, 3inch, 4inch, 6inch
- ☆ Environment Temperature: -40~70℃
- ☆ Thread: NPT, BSP(G), BSPT(ZG)- 1/8, 1/4, 3/8, 1/2, M10*1, M14*1.5, M20*1.5
- ☆ Connection: bottom, back



Electric Contact Pressure Gauge

Overview:

The electric contact pressure gauge is composed of two independent parts of the ordinary pressure gauge and the contact device, which is stable and reliable. It is widely used for measuring the pressure of liquid, gas and other media without corrosion on copper, steel and its alloys and sending electrical signals for automatic control systems.

- ☆ Accuracy: 1%, 1.6%, 2.5%
- ☆ Range: 0-0.1~60MPa(60mm), 0-0.1~200MPa(100mm), -0.1~0~2.4MPa
- ☆ Unit: MPa, bar, psi, kpa, kgf/cm²
- ☆ Material: stainless steel case, brass joint, stainless steel
- ☆ Dia: 2.5inch, 4inch, 6inch
- ☆ Environment Temperature: -40~70℃
- ☆ Power Supply: 24V, 220V, 380V
- ☆ Thread: NPT, BSP(G), BSPT(ZG)- 1/8, 1/4, 3/8, 1/2, M10*1, M14*1.5, M20*1.5
- ☆ Connection: bottom, back

P Product Show



Diaphragm Sealed Pressure Gauge

Overview:

Diaphragm pressure gauge is a diaphragm pressure gauge composed of a universal pressure instrument and diaphragm isolator. It has the advantages of fast and convenient assembly and disassembly in the process site, easy to pollute, easy to clean, safe and reliable. It is widely used in pharmaceutical, beverage, water treatment and other industries that have sanitary requirements for instruments.

- ☆ Accuracy: 1%, 1.6%, 2.5%
- ☆ Range: 0-0.1~60MPa, -0.1~0~2.4MPa
- ☆ Unit: MPa, bar, psi, kpa, kgf/cm²
- ☆ Material: stainless steel
- ☆ Dia: 60mm, 100mm, 150mm
- ☆ Diaphragm Material: 316SS, tantalum, nickel
- ☆ Flange: 50.5mm, DN15, DN20, DN25, DN32, DN40, DN50
- ☆ Environment Temperature: -40~200℃
- ☆ Thread: NPT, BSP(G), BSPT(ZG)- 1/4, 3/8, 1/2, M14*1.5, M20*1.5
- ☆ Connection: bottom, back



Mine Pressure Gauge

Overview:

Mine pressure fully mechanized mining support special pressure gauge, used to measure the coal mine pulse pressure is large, the use of environmental conditions under the full mechanized mining equipment pressure gauge peak instrument. The instrument has the characteristics of small size, high precision, shock resistance, shock resistance and memory maximum. It can also be used to measure the pressure of gas or liquid that is not corrosive to copper and copper alloys, and does not crystallize or precipitate.

- ☆ Accuracy: 1.6%, 2.5%
- ☆ Range: 60MPa, 80MPa
- ☆ Unit: MPa, bar, psi, kpa, kgf/cm²
- ☆ Material: iron, 304SS, 316SS
- ☆ Dia: 2.5inch
- ☆ Environment Temperature: -20~700℃
- ☆ Thread: DN10, DN13, KJ10, KJ13
- ☆ Connection: bottom
- ☆ Liquid: glycerin or silicone oil



Remote pressure gauge

Overview:

The resistance remote pressure gauge is suitable for measuring the pressure of liquids, vapors and gases that do not corrode copper alloys. Because a slip wire resistance transmitter is set inside the instrument, the measured value can be transmitted to the secondary instrument far away from the measuring point as an electrical value, so as to achieve centralized detection and distance control. In addition, the instrument can indicate the pressure on the spot to facilitate the field process inspection.

- ☆ Accuracy: 1%, 1.6%
- ☆ Range: 0-0.1~60MPa, -0.1~0~2.4MPa
- ☆ Unit: MPa, bar, psi, kpa, kgf/cm²
- ☆ Material: black steel, brass joint
- ☆ Dia: 150mm
- ☆ Environment Temperature: -40~200℃
- ☆ Thread: NPT, BSP(G), BSPT(ZG)- 1/4, 3/8, 1/2, M14*1.5, M20*1.5
- ☆ Connection: bottom

Pressure Calibrator

Description:

YX Series pressure calibration pumps adopts rigid pressure module, which saves time and effort, and the core seal is all rigid seal to prevent leakage. and it is made of high-quality imported stainless steel, advanced sealing technology, and refined through various processing techniques.

Principle:

The pressure calibrator adopts manual pressure source to add pressure, obtains the standard pressure value through the high-precision digital pressure gauge, uses the standard pressure gauge reading and the tested instrument pressure contrast, according to the corresponding pressure instrument verification regulation, calculate each error value and make verification conclusion.

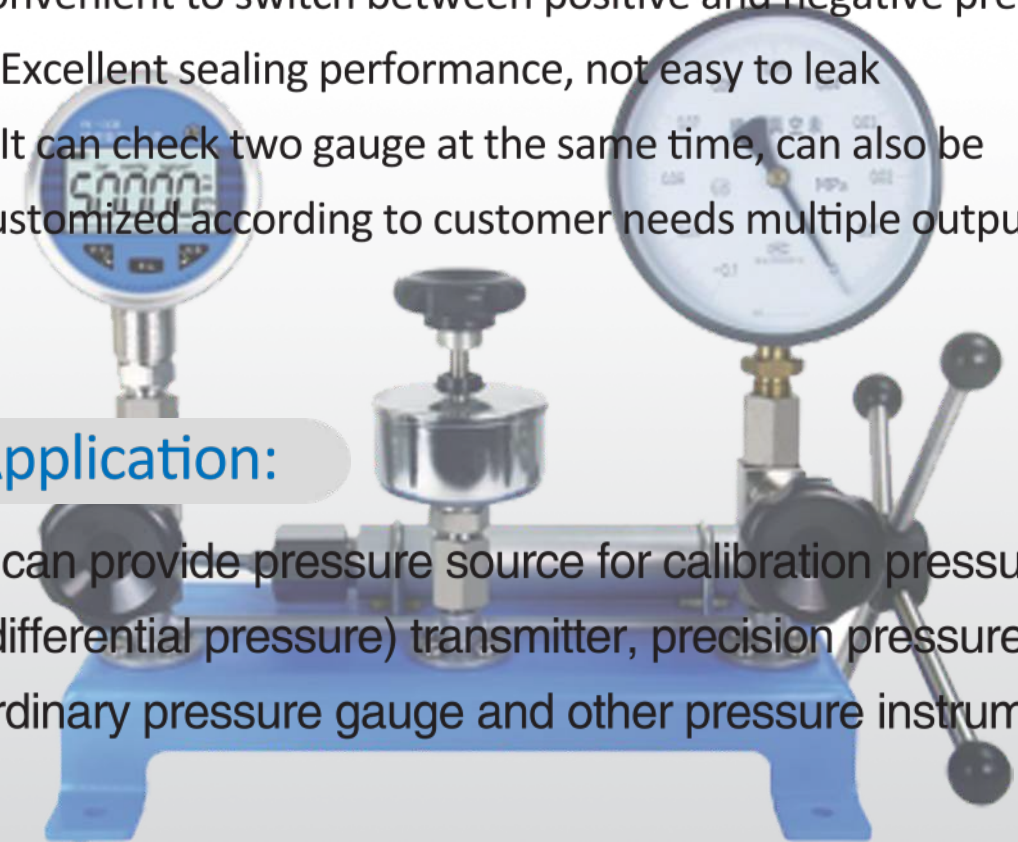


Advantage:

1. Open structure, simple operation and easy maintenance
2. Ultra-large fine-tuning range, high minimum controllable adjustment fineness
3. It integrates positive and negative pressure, and it is convenient to switch between positive and negative pressure
4. Excellent sealing performance, not easy to leak
5. It can check two gauge at the same time, can also be customized according to customer needs multiple output port

Application:

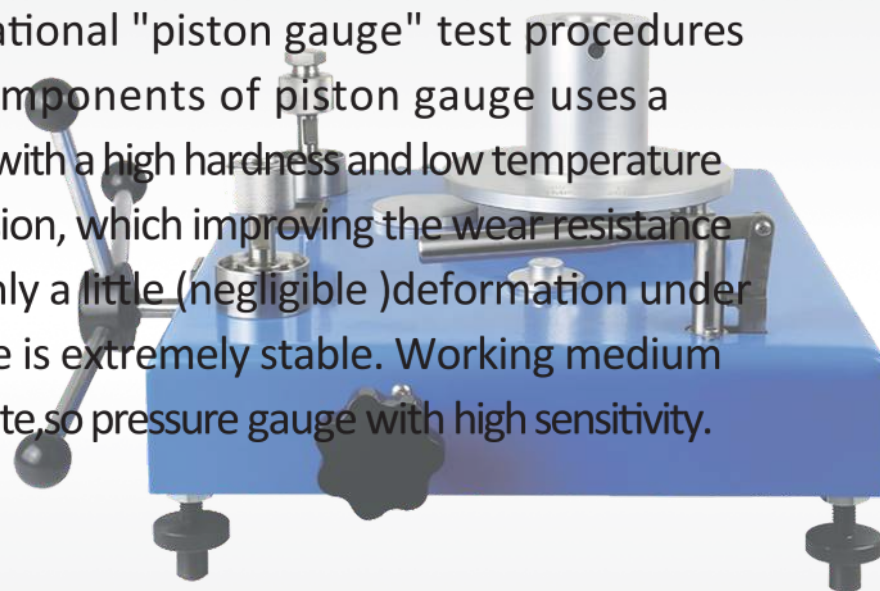
It can provide pressure source for calibration pressure (differential pressure) transmitter, precision pressure gauge, ordinary pressure gauge and other pressure instruments.



Dead Weight Tester

Description:

YJ series piston gauge is our new R & D product manufactured according to the latest national "piston gauge" test procedures (JJG59-2007). The key components of piston gauge uses a tungsten carbide material with a high hardness and low temperature coefficient of linear expansion, which improving the wear resistance of the piston, therefore only a little (negligible) deformation under the pressure, performance is extremely stable. Working medium with a piston isooctyl sebacate, so pressure gauge with high sensitivity.



Principle:

Piston manometer is based on the principle of Hydrostatic equilibrium and Pascal's law, the use of pressure on the piston force and cutting code gravity balanced principle of design. It is also known as a dead-weight piston manometer because of the gravity produced by using standard enamel codes to balance the load being measured.

Features

1. Piston and piston cylinder are using high strength, high hardness, and low temperature expansion coefficient of tungsten carbide material after, the working environment temperature is wide, stable performance of $20 \pm 5^{\circ}\text{C}$.

2. The load center of gravity is low, the weight is directly added to the piston through the hanging basket, the piston runs smoothly, the pressure fluctuation is very small, and the value is accurate.
3. Above 25MPa, pressure transmitting medium use diisooctyl sebacate with small viscosity, to ensure a high sensitivity.
4. The weights of the tester is made of stainless steel.
5. Piston position with displacement sensor monitoring, the piston up and down stroke is $\pm 1.5\text{mm}$, the instrument display has the advantages of sensitive, eye-catching, accurate and so on.
6. Range wide, at the lower limit of 1MPa, the basic error is $\pm 0.02\%$ or $\pm 0.05\%$, a KY100 type tester, can replace 3 testers of 6, 60, 100MPa.
7. It is labor saving, and can be easily to add pressure to be 100MPa.

Application:

As the most important pressure reference instrument, the piston pressure gauge is mainly used to calibrate other pressure instruments. It is one of the pressure reference instruments and the most cost-effective pressure reference equipment on the market.



Product Show

YJ series Vacuum Dead weight tester



Parameter		Unite	Pressure Range			
			0.6MPa	6MPa	25MPa	60MPa
Upper limit		MPa	0.6	6	25	60
Lower limit		MPa	0.04	0.1	0.5	1
Nominal piston area		cm2	1	0.5	0.2	0.1
Accuracy		±0.05%FS,±0.02%FS,±0.01%FS				
Base and Piston	Nominal mass	Kg	0.4	0.5	1	1
	Generated pressure	MPa	0.04	0.1	0.5	1
Special Weights	Nominal mass	Kg	0.1;0.5	0.5;2.5	1;5	1;5
	Generated pressure	MPa	0.01;0.05	0.1;0.5	0.5;2.5	1;5
	Qty	pcs	6 ;10	4;11	4;9	4;11
Thread Size			M20×1.5	M20×1.5	M20×1.5	M20×1.5
Weight		Kg	35	65	85	9

YX-60 Pressure Gauge Calibration Calibrator



The pressure gauge calibrator is also called a pressure gauge calibrator or a pressure gauge calibration pump. The pressure gauge calibrator is a pressure source used to test general pressure gauges, the test pressure can reach 60MPa, and the test vacuum degree can reach -0.08 MPa. In the laboratory or measuring room, it is generally used with a precision pressure gauge (higher accuracy can reach 0.25 level) to detect ordinary pressure gauges (accuracy of 1.6 or 2.5).

- ☆ Model: YX-60
- ☆ Range: 0-60mpa
- ☆ Vacuum range: -0.08~0mpa
- ☆ Working medium: Transformer oil
- ☆ Weight: 15.6kg

YX-2001A Micro Pneumatic Pressure Calibrator



YX-2001A micro pneumatic pressure calibrator is made of high-quality stainless steel and aluminum alloy materials, seals from German frendenberg (Freudenberg) company and some original parts from FESTO (Festo), the world's largest multinational company in the pneumatic industry. YX-2001 is one of the main equipment for testing pressure (differential pressure) transmitters, pressure sensors, ordinary (precision) pressure gauges and other pressure instruments. In the pressure calibration project, it can not only provide a stable air pressure source, but also provide a stable maximum negative pressure.

- ☆ Model: YX-2001A
- ☆ Range: (-40-40)kPa
- ☆ Minimum controllable: 0.1Pa
- ☆ Output port size: M20*1.5
- ☆ Dimensions: 300mm×220mm×120mm
- ☆ Weight: 3.3kg

Product Show



YX-2001B Micro Pneumatic Pressure Calibrator

YX-2001B is a test pressure (DP) transmitter, one of the main equipment of pressure sensors, ordinary (precision) pressure gauges and other pressure instruments. In the pressure calibration in engineering, it can provide a stable source of air pressure, and can provide a stable maximize too negative.

- ☆ Model: YX-2001B
- ☆ Range: (-100~0~600)kPa
- ☆ Minimum controllable: 0.1Pa
- ☆ Output port size: M20*1.5
- ☆ Dimensions: 300mm×220mm×120mm
- ☆ Weight: 3.3kg

YX-2001C Pneumatic Pressure Calibration Calibrator



- Model: YX-2001C
- ☆ Range: (-10~10)kPa
- ☆ Medium: clean and free of air or
- ☆ connection: Hose plugComponents: pressure pump + digital standard gauge + differential pressure gauge
- ☆ Accuracy: 0.05%FS
- ☆ Weight: 4.5kg

YX-2002 Pneumatic Pressure Calibration Calibrator



- ☆ Model: YX-2002
- YX-2002a (-0.095 ~ 4) MPa
- YX-2002b (-0.095 ~ 6) MPa
- XY-2002c (-0.095 ~ 10) MPa
- ☆ Output port: 3 pcs M20 * 1.5 (offer a variety of adapter as request)
- Minimum adjustment: 10Pa
- ☆ Dimensions: 300mm × 300mm × 150mm
- ☆ Weight: 10kg

P

Product Show

YX-2003 Desk-top Hydraulic Pressure Calibration Calibrator



YX-2003 Desk-top Hydraulic Pressure Calibration Calibrator can cope with various Pressure transmitting media (water, alcohol, aviation hydraulic oil, edible oil, etc.), which greatly expands the application range of liquid pressure sources. XY2003 desk-top hydraulic pressure calibration pumps adopts rigid pressure module, which saves time and effort, and the core seal is all rigid seal to prevent leakage. The maximum pressure can reach 250Mpa, and it is made of high-quality imported stainless steel, advanced foreign sealing technology, and refined through various processing techniques. The pressure source completely adopts an open structure, which is more convenient for maintenance; the screw type buck-boost, the buck-boost is stable, the pressure can be stabilized in an instant, and the return verification is very easy to operate; suitable for food hygiene, aerospace, military industry, metallurgy, metering And other industries provide a stable, fast, safe and reliable ultra-high pressure pressure source when calibrating pressure transmitters, pressure sensors, precision (ordinary) pressure gauges and other pressure instruments.

- ☆ Model:YX-2003A

YX-2003B

YX-2003C

YX-2003D

YX-2003E

YX-2003F
- 0~30MPa (hydraulic oil)

0~60MPa (hydraulic oil)

0~100MPa (hydraulic oil)

0~160MPa (hydraulic oil)

0~200MPa (castor oil)

0~250MPa (castor oil)
- ☆ Range:

☆ Minimum controllable:

☆ Output port size:
- (~100~0~600)kPa

0.2MPa

M20*1.5 (various adapters can be provided according to different field instrument interfaces, see pressure accessories for details)
- ☆ Dimensions:

☆ Fuel tank volume:

☆ Weight:
- 410mm×310mm×180mm

700ml

10kg

YX-047 Float type dead weight tester



The float pressure gauge is a pneumatic load pressure gauge that uses compressed air or nitrogen as the pressure source, and takes the pressure action area of the lower part of the sphere when the precision float is in working state as the effective area of the float. The precision float is placed inside the cylindrical nozzle, the special weight acts on the top of the sphere through the weight holder, and the air pressure in the nozzle acts on the lower part of the sphere, causing the float to float in the nozzle. When the gravity generated by the special weight of known mass is balanced with the force of air pressure, the float pressure gauge will output a stable and accurate pressure value. Float pressure gauges are mainly used in measurement rooms, laboratories, and production or scientific experiments as pressure reference devices, and are also directly used in high-reliability monitoring links for voting monitoring of other local instruments. The accuracy grade of the float pressure gauge is: 0.05 grade.

- ☆ Model:

☆ Range:

☆ Accuracy class(%)

☆ Adjust fineness:

☆ Accuracy class(°C)

☆ Rated air supply pressure

☆ Minimum air pressure(MPa)
- Y047

0.001 to 0.25mpa

3 pcs M20 * 1.5 (offer a variety of adapter as request)

±0.05

15 to 30

0.5

1.5 times the output pressure (0.3MPa when lower than 0.3MPa)

P

Product Show

YX-2006A Portable Pneumatic Pressure Calibrator



At present, in my country' s metrology verification or calibration industry, products such as piston pressure gauges or bench-top pressure sources and electric pressure calibration benches are commonly used. These products are generally bulky and not easy to be carried for on-site calibration. The product adopts the hand clamp type. Combining the above reasons, our company has recently developed a portable Pneumatic pressure calibrator XY-2006A, which is easy to carry, simple in structure and labor-saving in operation.

- ☆ Model:

☆ Range:

☆ Medium:

☆ Minimum controllable

☆ Interface size:

☆ Volume:
- YX-2006A

-95kPa~6MPa

Air

10kPa

M20*1.5(2output ports)

270mm×150mm×150mm

YX-2006B Portable Hydraulic Pressure Calibrator



YX-2006B portable manual hydraulic pressure calibrator is currently used in our country' s metrology verification or calibration industry, and products such as piston pressure gauges, desktop pressure sources, and electric pressure calibration benches are generally used. These products are generally large in size and are not suitable for on-site calibration carry, while foreign portable products use hand clamp type. The pressure is laborious and the operation is complicated. Combining the above reasons, our company has recently developed a pressure source that is easy to carry, simple in structure and labor-saving in operation.

- ☆ Model:

☆ Range:

☆ Medium:

☆ Minimum controllable

☆ Interface size:

☆ Volume:
- YX-2006B

-0.09~60MPa

Pure water or 46# hydraulic oil

10kPa

2pcs/M20×1.5 Standard connection

290mm×150mm×110mm

P Product Show

P Product Show



YS-039 Hand-Held Pneumatic Pressure Pump

- ☆ Working pressure: 0~1.6MPa
- ☆ Working temperature: -20 to 50°C
- ☆ Dimension: 220x110x55mm
- ☆ Weight: 0.5kg



YS-FP Hand-Held Pneumatic Pressure Pump

- ☆ Output pressure: -0.088~1.6MPa(-0.88~16bar)
- 0.088~2.0MPa(-0.88~20bar)
- 0.088~2.5MPa(-0.88~25bar)
- ☆ Work Environment: Temperature: 0~40 °C Relative Humidity: 5~95%
- ☆ Accessories: adapter: 1/4NPT (Male) to M14x1.5 (Female) 1 Piece



YS-060 Hydraulic Pressure Hand Pump

- ☆ Output pressure: 0 ~ 25MPa
- ☆ working environment:
- ☆ A: temperature: 0 to 40 °C b: relative humidity: ≤ 100%
- ☆ Weight: ≤ 0.8Kg
- ☆ Table joint thread: M14 × 1.5 internal thread (outlet according to 1 / 4NPT), high
- ☆ pressure hose joint thread: M20 × 1.5 internal thread (export by 1 / 2NPT)



YS-061 Vacuum Hand-Held Pressure Pump

- ☆ Rated vacuum range: -0.088~0MPa (-660~0mmHg)
- ☆ Working Environment: Temperature 0~40°C, Relative Humidity 5~95%
- ☆ Weight: about 0.5kg
- ☆ Dimensions: 220*110*60mm

Submersible Level Transmitter

Description:

YL series level meter intelligent submersible transmitter, consist of isolation diaphragm oil-filled sensor and high-powered MCU. it can correct the linearity and compensate temperature drift, have digital output with HART protocol and analog output. With characteristic of high precision, good stability. Can achieve two-way communication during diagnosing process at the scene. Apply in city's power supply, water conservancy, metallurgy, petrification and so on.

Principle:

The submersible lever transmitter is based on the principle that the static pressure of the measured liquid is proportional to the height of the liquid, the input liquid level meter is made of advanced isolated diffused silicon sensor or ceramic capacitance pressure sensor, which converts the static pressure into electric signal, after temperature compensation and linear correction, it is converted into a kind of pressure sensor which can measure liquid level with standard electric signal (generally 4 ~ 20mA/1 ~ 5VDC)

Features:

1. Wide measurement range
2. Protection: IP68
3. Various output signal
4. Multiple protection
5. Good anti-leakage performance
6. Good anti-electromagnetic interference.
7. Explosion proof grade: ExiaIICT6

Application:

1. Compatible with 316L, noncorrosive liquids.
2. Apply in Petroleum industry, chemical industry, generating station, water supply, hydrology etc. those need to measure & control
3. Liquid's level.

Product Show

YL Series Level Transmitter

YUNYI YLT32 series liquid level transmitters have been designed for the highest requirements in liquid level measurement. Due to its high accuracy, reliability and excellent resistance to media, it is an ideal solution for almost all liquid level measurements in water plants, reservoirs, refineries, chemical glass plants, sewage treatment plants, dynamic liquid level measurement, etc.

Product Show

YLT321 Submersible Pressure Water Level Transmitter



- ☆ Output: 4~20mA, 0~5V/0.5~4.5V/0-10V; RS485, 1~5V/mV Signal
- ☆ Power supply: 7-30Vdc, 8-30Vdc, 13-30Vdc, 5Vdc±5%, 3.5-36Vdc
- ☆ Accuracy : ≤ ±0.5%F.S @25 degree C; (≤ ±0.25%F.S@25 degree C by
- ☆ Working temperature: -40°C~80°C(non-corrosive medium)
- ☆ Cable : PE Cable(Water Proof); PU Cable(Oil/Fuel Proof); FEP Cable(Anti-Corrosive)
- ☆ Certificate: Ex ia IICT6, TUV RoHS and CE Certificate
- ☆ Application: Applicationpetrol, industrial liquids and oils.

YLT322(A) Universal Submersible Liquid Level Transmitter



- ☆ Range: 0-0.5 M...500 M H2O optional
- ☆ Output: 4~20mA, 0~5V/0.5~4.5V; RS485; 1~5V/mV
- ☆ Power supply: 12-30 VDC/12VDC/5VDC15%/5...10 VDC/10-30VDC
- ☆ Accuracy : 0.25%FS, 0.5%FS optional
- ☆ Working temperature: -30°C~70°C or -40°C~100°C(Customized)
- ☆ Cable : PE Cable; PU Cable; FEP Cable
- ☆ Certificate: CE, RoHS, ATEX
- ☆ Application: Liquid measuring in tanks, Rivers, Lake, Sea, Well, Tube, Underground water

YLT322-LT Submersible Fuel Level Pressure Transmitter



- ☆ Range: 0-0.1bar.....2bar / 0-1m 20m fuel level Optional (See P1 page description)
- ☆ Output: RS485 Modbus RTU
- ☆ Power supply: 3.5-36Vdc
- ☆ Accuracy : ≤ ±0.5%F.S (≥2m level range and between 0-50 degree C); ≤ ±1.0%F.S (0.5mLevel Range<2m level range and between 0-50 degree C)
- ☆ Working temperature: -40-80°C(non-corrosive medium)
- ☆ Cable : PE Cable(Water Proof); PU Cable(Diesel Proof); FEP Cable(Anti-Corrosive for gasoline)
- ☆ Application: Bio-Fuels, Diesel Fuel Tanks, Ballast Tanks, Oil Tanks

YLT322(B) Universal Submersible Liquid Level Transmitter



- ☆ Range: 0~0.5M...50m fuel level Optional
- ☆ Output: 5...10 VDC/10-30VDC 4~20mA, 0~5V/0.5~4.5V; RS485, 1~5V/mV Signal/SDI-12
- ☆ Power supply: 12-30 VDC/8-30VDC /15-30VDC/12VDC/5VDC±5%/
- ☆ Accuracy : 1.0%FS; 0.5%FS
- ☆ Working temperature: -30°C~70°C
- ☆ Cable : PE Cable; PU Cable; FEP Cable
- ☆ Certificate: CE, ExiaII CT6 Ga, ATEX, RoHS
- ☆ Application: Applicationpetrol, Diesel, Fuel etc

YLT325-Economical Submersible Deep Well and Borehole Level Transmitters



- ☆ Range: 0-2 Bar.....20 Bar / 0-20m...200m H2O Optional 0-0.5 Bar.....2Bar / 0-5m...20m H2O Optional (by customized)
- ☆ Output: 4~20mA/0-5V, 1-5V, 0-10V, 0.5~4.5V/RS485 Modbus RTU
- ☆ Power supply: ≤ ±0.5%F.S@25 degree C (Typical)
- ☆ Pressure port: Filter cover IP68
- ☆ Accuracy : 0.25%FS, 0.5%FSoptional
- ☆ Working temperature: -40-80 °C (non-corrosive medium)
- ☆ Cable : PE Cable(Water Proof) ; PU Cable(Oil/Fuel Proof) ; FEP Cable(Anti-Corrosive)
- ☆ Certificate: CE Certificate
- ☆ Application: Groundwater , Deep well and borehole, Surface Water ,

P Product Show



YLT325-E Deep Well & Borehole Level Transmitter

- ☆ Range: 0~2m...500m H2O Optional
- ☆ Output: 4~20mA/0.5~4.5V/RS485
- ☆ Power supply: 10~30VDC/5VDC±5%
- ☆ Pressure port: Filter cover IP68
- ☆ Accuracy : 0.25%FS, 0.5%FS optional
- ☆ Working temperature: -30°C~70°C
- ☆ Cable : PE Cable(Water Proof); PU Cable(Oil/Fuel Proof); FEP Cable(Anti-Corrosive)
- ☆ Certificate: CE, RoHS
- ☆ Application: Depth well, Borehole etc



YLT323 Sewage Submersible Level Transmitter

- ☆ Range: 0~1 M...200 M H2O optional
- ☆ Output: 4~20mA/0~5V/1~5V/0.5~4.5V/SDI-12/0~10V/mV Signal/RS485
- ☆ Power supply: 12-30VDC/10-30VDC/5-10VDC/12VDC/5VDC15%
- ☆ Pressure port: 040 mm Thread with filter cover IP68
- ☆ Accuracy : 0.25%FS, 0.5%FS optional
- ☆ Working temperature: -30°C~70°C
- ☆ Cable : PE Cable(Water Proof) ; PU Cable(Oil/Fuel Proof) ; FEP Cable
- ☆ Certificate: CE, RoHS
- ☆ Application: City water, Drainage, Sewage pump station etc



YLT324 Anti-corrosion liquid Level Transmitter

- ☆ Range: 0-0.5 M...500 M H2O optional
- ☆ Output: 4~20mA, 0~5V/0.5~4.5V; RS485; 1~5V/mV
- ☆ Power supply: 12-30 VDC/12VDC/5VDC15%/5...10 VDC/10-30VDC
- ☆ Accuracy : 0.25%F.S, 0.5%F.S optional
- ☆ Working temperature: -30°C~70°C or -40°C~100°C(Customized)
- ☆ Cable : PE Cable; PU Cable; FEP Cable
- ☆ Certificate: CE, RoHS, ATEX
- ☆ Application: Liquid measuring in tanks, Rivers, Lake, Sea, Well,Tube, Underground water

P Product Show



YLT327 Anti Clog Attachment for Submersible Liquid Level Pressure Transmitter

- ☆ Range: 0~1 M...200 M H2O optional
- ☆ Output: 4~20mA/0~5V/0.5~4.5V/0~10V/RS485
- ☆ Power supply: 12~30VDC/8~30VDC/15~30VDC/5VDC±0.25V/7~30VDC
- ☆ Accuracy : 0.25%FS; 0.5%FS optional
- ☆ Working temperature: -30°C~70°C
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS
- ☆ Application: Large of Viscosity or impurity medium, Sewage like crude oil etc



YLT328 Submersible Liquid Level Pressure Transmitter

- ☆ Range: 0~0.5 m, 0-500m optional
- ☆ Output: 4~20mA/0~5V/0~10V/RS485
- ☆ Power supply: 12~30VDC/8~30VDC/15-30VDC/18-30VDC
- ☆ Medium compatible: 316L SST, PTFE, Titanium Alloy
- ☆ Accuracy : 0.25%FS; 0.5%FS optional
- ☆ Working temperature: -30°C~70°C
- ☆ Certificate: CE, Exiall CT6 Ga, ATEX, RoHS



YUC800L-1 Special Differential Pressure & Level Transmitter

- ☆ Pressure range: 0~3~30bar, 0-300KPa-3MPa(0-30-300mmH2O)
- ☆ Output: Digital output: two -wire 4-20mADC and superimposing variable digital signal accord with HART
- ☆ Power supply: supply voltage 24VDC
- ☆ Pressure port: flange
- ☆ Accuracy : 0.10%F.S; .25%F.S; 0.5%F.S
- ☆ Working temperature: Normal temperature silicone oil:-40°C~205°C
High temperature silicone oil:0°C~315°C
- ☆ Certificate: ExiallCT5;explosion suppression type



YUC800L-2 Special Differential Pressure & Level Transmitter

- ☆ Pressure range: 0~1~10bar, 0-100KPa-1MPa(0-10-100mmH2O)
- ☆ Output: Digital output: two -wire 4-20mADC and superimposing variable digital signal accord with HART
- ☆ Power supply: supply voltage 24VDC
- ☆ Pressure port: flange
- ☆ Accuracy : 0.10%F.S; .25%F.S; 0.5%F.S
- ☆ Working temperature: Normal temperature silicone oil:-40°C~205°C
High temperature silicone oil:0°C~315°C
- ☆ Certificate: ExiallCT5;explosion suppression type

Ultrasonic Level Transmitter

Description:

YLU Series Ultrasonic level transmitter, taking the advantages of various many level measuring instruments, is a universal one characterized by total digitalized and humanized design. It has perfect level monitoring, data transmission and man-machine communication. It is featured by strong anti-interference performance; free setting of upper and lower limits and online output regulation, on-site indication, optional analog, switching value, and RS485 output and easy connection with main unit. The cover, made of waterproof engineering plastics, is small and firm with ABS probe.

Principle:

The ultrasonic level transmitter is an ultrasonic pulse emitted by a sensor (transducer), which is reflected by a liquid surface and then received by the same sensor or ultrasonic receiver, which is converted into an electrical signal by a piezoelectric crystal, the distance from the sensor to the surface of the liquid (solid) to be measured is calculated from the time between the transmission and reception of the sound wave.

Features:

1. DC18~28V work voltage
2. Backup and recovery parameter set
3. Measure for level
4. Free adjustment of the range of analog output
5. Digit filtering and echo Identification
6. Man-made Shield interference onsite
7. HART communication is optional

Application:

1. Water and sewage treatment: pump room, water collection well, biochemical reaction tank, sedimentation tank, etc.
2. Electric power, mining: mortar pool, coal slurry pool, water treatment, etc.



P Product Show

YLU3000 Ultrasonic Level Transmitter

The YLU3000 ultrasonic level transmitter is developed based on 30 years of industrial measurement and control experience and is specifically targeted at low cost and small installation space. It combines ultrasonic sensors, temperature sensors, ultrasonic servo circuits, transmission circuits, and uses SMD components and ASIC jointly developed with American partners. Promises greater reliability and long-term dependability. The outer shell is made of solid texture and synthetic materials with good NLEPF acoustic properties. The body shape is exquisite and beautiful, waterproof and dust-proof, and can adapt to most working conditions on site.



YLU 3001 Ultrasonic Distance/Level Transmitter

- ☆ Level Range: 0~1...15 M optional
- ☆ Output: 4-20mA/RS485, RS232/NPN switch or relay
- ☆ Accuracy: 0.5%FS (at blind-fold drive away, 25 °C)
- ☆ Bline Zone: 300mm~800mm
- ☆ Power supply: 24VDC/300mA
- ☆ Working temperature: -40°C~+85°C
- ☆ Pressure port: M68*2.0 male
- ☆ Beam angle: <12°
- ☆ Application: Liquid

YLU 3003 Ultrasonic Distance/Level Transmitter

- ☆ Level Range: 0~1...15 M optional
- ☆ Output: 4-20mA/RS485, RS232/NPN switch or relay
- ☆ Bline Zone: 300mm~800mm
- ☆ Power supply: 12VDC or 24V/300mA
- ☆ Working temperature: -40°C~+85°C
- ☆ Pressure port: M68*2.0 male
- ☆ Application: Liquid
- ☆ Certificate: CE, ATEX

YLU3005 Ultrasonic Distance/Level Transmitter

- ☆ Level Range: 1m, 2m
- ☆ Output: 4~20mA, RL>600Q (standard) ; RS485
- ☆ Accuracy: ±1mm, ±2mm
- ☆ Bline Zone: <0.06m, <0.15m
- ☆ Power supply: 12-24VDC
- ☆ Working temperature: Ordinary temperature
- ☆ Pressure port: M30X1.5
- ☆ Application: Liquid

P Product Show

YLU3008 Ultrasonic Distance/Level Transmitter



- ☆ Level Range: 1m 2m 5m optional
- ☆ Output: 4-20mA/RS485/RS232, NPN Switch signal/ Relay (1 OR 2 channels optional)
- ☆ Accuracy: 0.25%FS. or 3 mm
- ☆ Bline Zone: <20CM
- ☆ Power supply: 12-24VDC/50 mA
- ☆ Working temperature: -20°C~+60°C
- ☆ Pressure port: G1-1/2" male
- ☆ Wave beam angel: <12°
- ☆ Application: Liquid

YLU200 Explosion Proof Type Ultrasonic Level Transmitter



- ☆ Level Range: 0~2...5M optional
- ☆ Output: 4-20mA; RS485
- ☆ Accuracy: 0.25%FS-0.5%FS
- ☆ Bline Zone: 25~100cm
- ☆ Power supply: 250VAC/8A; 30VDC/5A
- ☆ Working temperature: -20°C~+80°C
- ☆ Pressure port: M68*2.0 male; G 1-1/2" male; M108*2.0 male
- ☆ Certificate: ATEX
- ☆ Application: Liquid

YLU800 Integrative type Ultrasonic Level Transmitter



- ☆ Range: 0-5 m, 10m, 15m, 20m, 25m
- ☆ Output: 4~20mA/RS485
- ☆ Power supply: 12V DC/24V DC/220V AC
- ☆ Accuracy: 0.25%F.S, 0.5%F.S optional
- ☆ Working temperature: -20°C~60°C or Customized
- ☆ Working pressure: Max0.4MPa
- ☆ Protection class: IP65/IP68

YLU900 Segregated Type Ultrasonic Level Transmitter



- ☆ Level Range: 0~5 M optional
- ☆ Output: 4-20mA; RS485
- ☆ Bline Zone: 25~120cm
- ☆ Power supply: 250VAC/8A; 30VDCZ 5A
- ☆ Working temperature: -20°C~+80°C
- ☆ Pressure port: M68*2.0 male; G 1-1/2" male; M108*2.0 male

Rader Level Transmitter

Description:

YLR series radar level Transmitter is a kind of general-purpose radar level Transmitter. It is based on the principle of time travel. Radar wave runs at the speed of light. The probe sends out high-frequency pulses that travel at the speed of light in space. When the pulses hit the material surface, they bounce back and are received by the receiver in the instrument.

The radar level Transmitter is a radar level meter based on time domain reflection (TDR) principle. The electromagnetic pulse of the radar level meter travels at the speed of light along a steel cable or probe rod, part of the pulse of the radar level Transmitter is reflected to form an echo and returns to the pulse launcher along the same path. The distance between the launcher and the surface of the measured medium is proportional to the propagation time of the pulse, the liquid level height is calculated.

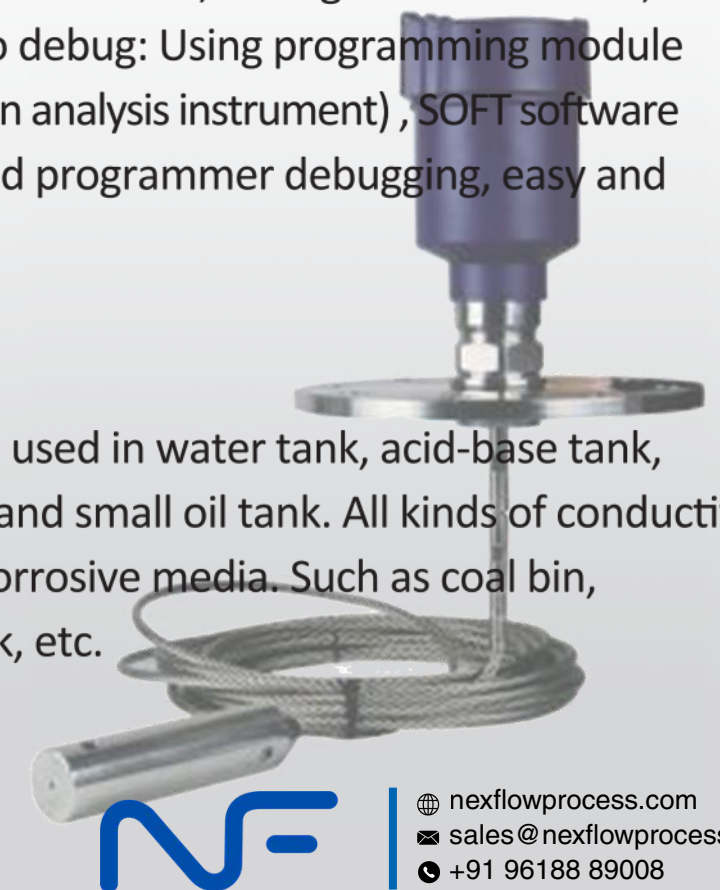
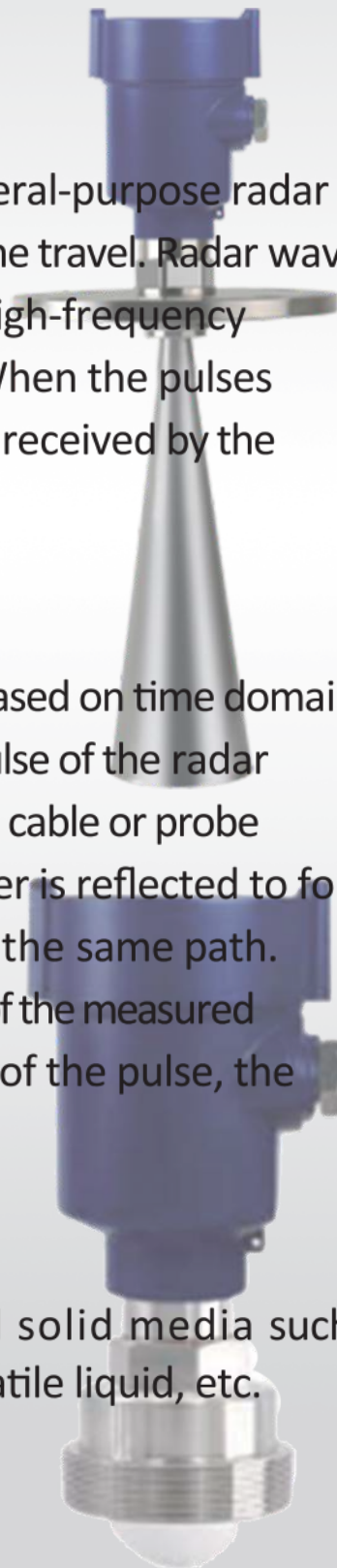
Features :

1. Radar level Transmitter can measure liquid and solid media such as: crude oil, slurry, raw coal, pulverized coal, volatile liquid, etc.
2. Measuring range up to 70m.

3. Power supply and output signals through a two-core cable (circuit) , using 4.0... 20mA output or digital signal output;
4. Non-contact measurement and installation easy to use extremely stable materials firm and durable, accurate and reliable resolution of up to 1mm;
5. Not affected by noise, steam, dust, vacuum, etc.
6. Not affected by the change of medium density and temperature, the process pressure can reach 400 bar, medium temperature can reach -200°C to 800 °C;
7. There are a variety of installation options: top installation, side installation, bypass pipe installation, waveguide installation;
8. There are many ways to debug: Using programming module debugging (equivalent to an analysis instrument) , SOFT software debugging, Hart hand-held programmer debugging, easy and fast to debug.

Application :

Radar level Transmitter is used in water tank, acid-base tank, slurry tank, solid particle and small oil tank. All kinds of conductive, non-conductive media, corrosive media. Such as coal bin, Ash bin, oil tank, acid tank, etc.



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Product Show

YLR26G Radar Level Transmitter

High frequency radar level gauge, measuring up to 70 meters. Further optimization of the antenna, the new fast microprocessor enables high-speed signal processing, making the instrument to be used in reactors, solid-state storage tanks, and some complex measurement conditions.



YLR26G A1 Radar Level Transmitter

- ☆ Measurement Span: 0 to 20 meters
- ☆ Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus
- ☆ Accuracy: ±5 mm
- ☆ Power supply: 24VDC or 85-265VA
- ☆ Medium Temperature Span: -40~120°C
- ☆ Process Connection: Thread or Flanges
- ☆ Explosion proof grade: ExibII CT6 Gb
- ☆ Application: All kinds of corrosive liquids



YLR26G A2 Radar Level Transmitter

- ☆ Measurement Span: 0 to 30 meters
- ☆ Output: 4...20mA/HART (2 wires/4 wires)
- ☆ Accuracy: ±5 mm
- ☆ Power supply: 24VDC or 85-265VA
- ☆ Medium Temperature Span: -40~150°C
- ☆ Process Connection: G1-1/2" Thread or Flanges
- ☆ Explosion proof grade: Exib II CT6 Gb
- ☆ Application: Temperature resistant, pressure resistant, slightly corrosive liquids.

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Product Show



YLR26G A3 Radar Level Transmitter

- ☆ Measurement Span: 15m/20m/35m (powder); 20m/30m/45m(particle); 35m/45m/55m(lump materials) -1m...70m(liquids)
- ☆ Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus
- ☆ Accuracy: ±15mm
- ☆ Power supply: 24VDC or 85-265VA
- ☆ Medium Temperature Span: -40~250°C
- ☆ Process Connection: Multidirectional flange
- ☆ Explosion proof grade: ExibII CT6 Gb
- ☆ Application: Solid material, Strong dust. Powder, Lump,Liquids.



YLR26G A4 Radar Level Transmitter

- ☆ Measurement Span: 50m (powder);70m(particle);70m(lump materials)
- ☆ Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus
- ☆ Accuracy: ±15mm
- ☆ Power supply: 24VDC or 85-265VA
- ☆ Medium Temperature Span: -40~250°C
- ☆ Process Connection: Multidirectional flange
- ☆ Explosion proof grade: ExibII CT6 Gb
- ☆ Application: Solid material. Strong dust. Easy toCrystallization, Condensation occasions



YLR26G A5 Radar Level Transmitter

- ☆ Measurement Span: 0 to 70 meters
- ☆ Output: 4...20mA/HART (2 wires/4 wires)RS485/Modbus
- ☆ Accuracy: ±5mm
- ☆ Power supply: DC24V (RS485 is 6-24Vdc supply)
- ☆ Medium Temperature Span: -40~100°C
- ☆ Process Connection: PP/Stainless steel Bracket
- ☆ Explosion proof grade: ExibII CT6 Gb
- ☆ Application: water level of lakes, river courses, reservoirs, open channels, tidal water level, water level of Bridges, and water level in low-lying areas of cities.



YLR26G A6 Radar Level Transmitter

- ☆ Measurement Span: 0 to 20 meters
- ☆ Output: 4~20mA/HART (2 wires/4 wires);
- ☆ Accuracy: ±3mm
- ☆ Process Connection: Thread or Flanges
- ☆ Medium Temperature: 300mm~800mm
- ☆ Power supply: 24VDC or 85-265VAC
- ☆ Working temperature: -40~150°C
- ☆ Application: Liquid, Slurry, Condensation, Corrosive

P Product Show

YLR80G series 76-81GHz FMCW Radar Level Transmitter

YLR80G 76-81 FMCW radar (also called millimeter wave radar) level Transmitter uses a millimeter wave band with a higher frequency than K-band radar. It uses long-distance imaging and multi-spectral imaging in long-range target detection and strong smoke and dust environments, and can detect smaller objects to achieve more precise positioning with higher resolution and stronger confidentiality.



YLR80G-A FMCW Radar Level Transmitter

- ☆ Frequency range76~81GHz
- ☆ Application range
- ☆ Measuring range60 m
- ☆ Signal output4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection
- ☆ Medium temperature
- ☆ Process pressure
- ☆ Measurement accuracy
- ☆ IP rating
- ☆ Explosion-proof grade
- ☆ Shell material



YLR80G-B FMCW Radar Level Transmitter

- ☆ Frequency range76~81GHz
- ☆ Application range
- ☆ Measuring range120 m
- ☆ Signal output4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection
- ☆ Medium temperature
- ☆ Process pressure
- ☆ Measurement accuracy
- ☆ IP rating
- ☆ Explosion-proof grade
- ☆ Shell material

P Product Show



YLR80G-C FMCW Radar Level Transmitter

- ☆ Frequency range76~81GHz
- ☆ Application range
- ☆ Measuring range30 m
- ☆ Signal output4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection
- ☆ Medium temperature
- ☆ Process pressure
- ☆ Measurement accuracy
- ☆ IP rating
- ☆ Explosion-proof grade
- ☆ Shell material



YLR80G-D FMCW Radar Level Transmitter

- ☆ Frequency range76~81GHz
- ☆ Application range
- ☆ Measuring range60 m
- ☆ Signal output4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection
- ☆ Medium temperature
- ☆ Process pressure
- ☆ Measurement accuracy
- ☆ IP rating
- ☆ Explosion-proof grade
- ☆ Shell material



YLR80G-E FMCW Radar Level Transmitter

- ☆ Frequency range76~81GHz
- ☆ Application range
- ☆ Measuring range30 m
- ☆ Signal output4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection
- ☆ Medium temperature
- ☆ Process pressure
- ☆ Measurement accuracy
- ☆ IP rating
- ☆ Explosion-proof grade
- ☆ Shell material

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Product Show



YLR80G-F FMCW Radar Level Transmitter

- ☆ Frequency range 76~81GHz
- ☆ Application range strong corrosive liquid, stirring, water vapor, condensation
- ☆ Measuring range 30 m
- ☆ Signal output 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection Flange, thread
- ☆ Medium temperature -40~120°C
- ☆ Process pressure -0.1~1.6MPa
- ☆ Measurement accuracy ±1mm
- ☆ IP rating IP67
- ☆ Explosion-proof grade ExibIIC T6 Gb
- ☆ Shell material aluminum casting/stainless steel



YLR80GS Water level radar level Transmitter

- ☆ Frequency range 76~81GHz
- ☆ Application range water,river,lake,cistern,sewage
- ☆ Measuring range 0.1-10 m/0.2-30m
- ☆ Signal output RS485
- ☆ Process connection flange, thread,stent
- ☆ Medium temperature -40~85°C
- ☆ Process pressure -0.1~0.3Mpa
- ☆ Measurement accuracy ±1mm
- ☆ IP rating IP67
- ☆ power 9-24V DC
- ☆ Shell material aluminum casting



YLR60G 60GHz Millimeter Wave Radar Level Transmitter

YR60G 60GHz millimeter wave radar level meter is a new level sensor developed by YUN YI. It adopts a non-contact measurement, which is clean and reduces maintenance possibility. The completely new design makes it a different and delicate appearance. A bubble spirit level is installed on the top surface, which greatly helps in the device installation.

- ☆ Measurement Span: 0.2-12m for water, 0.2-8m for diesel ,0.2-6m for gasoline
- ☆ Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus
- ☆ Accuracy: ±2mm
- ☆ Process Connection: Thread or Flanges
- ☆ Power supply: 12Vdc recommended (9-24Vdc available)
- ☆ Working temperature: -40~85°C
- ☆ Application: Liquid

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Product Show

YLR68X Guided Wave Radar Level Transmitter

The high frequency microwave pulse emitted by the guided wave radar propagates along the detection component (steel cable or steel rod) and meets the medium to be measured. Due to the sudden dielectric constant, part of the pulse energy is reflected back. The transmitted pulse and reflected pulse are proportional to the distance and time interval of the measured medium.



YLR68-1 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range Liquid and solid powder measure,complicated process conditions
- ☆ Measuring range 20 m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection Flange, thread
- ☆ Medium temperature -40~250°C
- ☆ Process pressure -0.1~2MPa
- ☆ Measurement accuracy ±10mm
- ☆ IP rating IP67
- ☆ Explosion-proof grade Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material aluminum casting/stainless steel



YLR68-2 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range Liquid
- ☆ Measuring range 6 m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection Flange, thread
- ☆ Medium temperature -40~250°C
- ☆ Process pressure -0.1~2MPa
- ☆ Measurement accuracy ±10mm
- ☆ IP rating IP67
- ☆ Explosion-proof grade Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material aluminum casting/stainless steel

P Product Show



YLR68-3 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range: Solid powder,Cement silo powder measure;Ash powder measure
- ☆ Measuring range: 20 m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output: 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection: Flange, thread
- ☆ Medium temperature: (-40~150) °C
- ☆ Process pressure: -0.1~2MPa
- ☆ Measurement accuracy: ±10mm
- ☆ IP rating: IP67
- ☆ Explosion-proof grade: Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material: aluminum casting/stainless steel



YLR68-4 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range: Liquids, especially high temperature and pressure environment of liquid, Sealed cans,greater pressure liquid measurement
- ☆ Measuring range: 15m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output: 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection: Flange, thread
- ☆ Medium temperature: (-40~250) °C
- ☆ Process pressure: -0.1~40MPa
- ☆ Measurement accuracy: ±10mm
- ☆ IP rating: IP67
- ☆ Explosion-proof grade: Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material: aluminum casting/stainless steel



YLR68-5 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range: Liquid,especially corrosive liquids , Acids, bases or other corrosive media
- ☆ Measuring range: 20 m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output: 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection: Flange, thread
- ☆ Medium temperature: -40~200°C
- ☆ Process pressure: -0.1~2MPa
- ☆ Measurement accuracy: ±10mm
- ☆ IP rating: IP67
- ☆ Explosion-proof grade: Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material: aluminum casting/stainless steel

P Product Show



YLR68-6 Guided Wave Radar Level Transmitter

- ☆ Frequency: 500MHz-1.8GHz
- ☆ Application range: Measuring deionized water,deoxygenated water and other liquids
- ☆ Measuring range: 6m
- ☆ Power Source: Two-wire (DC24V),Four-wire (DC24V/AC220V)
- ☆ Signal output: 4~20mA/HART (two-wire/four-wire) RS485/Modbus
- ☆ Process connection: Flange, thread
- ☆ Medium temperature: (-40~250) °C
- ☆ Process pressure: -0.1~2MPa
- ☆ Measurement accuracy: ±10mm
- ☆ IP rating: IP67
- ☆ Explosion-proof grade: Exia IIC T6 Ga/Exd ia IIC T6 Gb
- ☆ Shell material: aluminum casting/stainless steel



YLM400 Magnetostrictive Liquid Level Transmitter

- ☆ Range: Pole:100-6000mm,cable:1000mm-22000mm
- ☆ Output: two -wire 4-20mA or RS485
- ☆ Power supply: supply voltage 24VDC
- ☆ process connection: M27x1.5; G3/4,flange
- ☆ Accuracy : 0.10%F.S
- ☆ Working temperature: Normal temperature silicone oil:-40°C~70°C
High temperature silicone oil:-40°C~200°C
- ☆ Working pressure: 1.6MPa
- ☆ Certificate: Exd IIC T6 Gb



YLM 500 magnetic float type level Transmitter

YLM500 magnetic float type level gauge and the measured container to form connectors (map2) , Guarantee is measured between the container and the measuring tube body equal level。 When the level of the measuring tube float along with the measured liquid level changes, Float in the magnetic body and shown on the display of the role of the magnetic body color code, Make the turn, Red liquid, White said no liquid, To achieve the goal of in situ must indeed show level.

- ☆ Level Range: 200~12000m
- ☆ Output: 4-20mA two wires
- ☆ Accuracy: ≤ ±10mm
- ☆ Explosion proof grade: dIIIBT4-6 iaIICT4-6
- ☆ Power supply: 12-24VDC/50 mA
- ☆ Working temperature: -40°C ~ 450°C
- ☆ Pressure port: flange
- ☆ Application: Liquid

Electromagnetic Flow Meter

YFM Series electromagnetic flow meter is a high-performance, high-reliability flow meter. It used to measure the volume flow of conductive liquid and slurry in closed pipelines.

Principle:

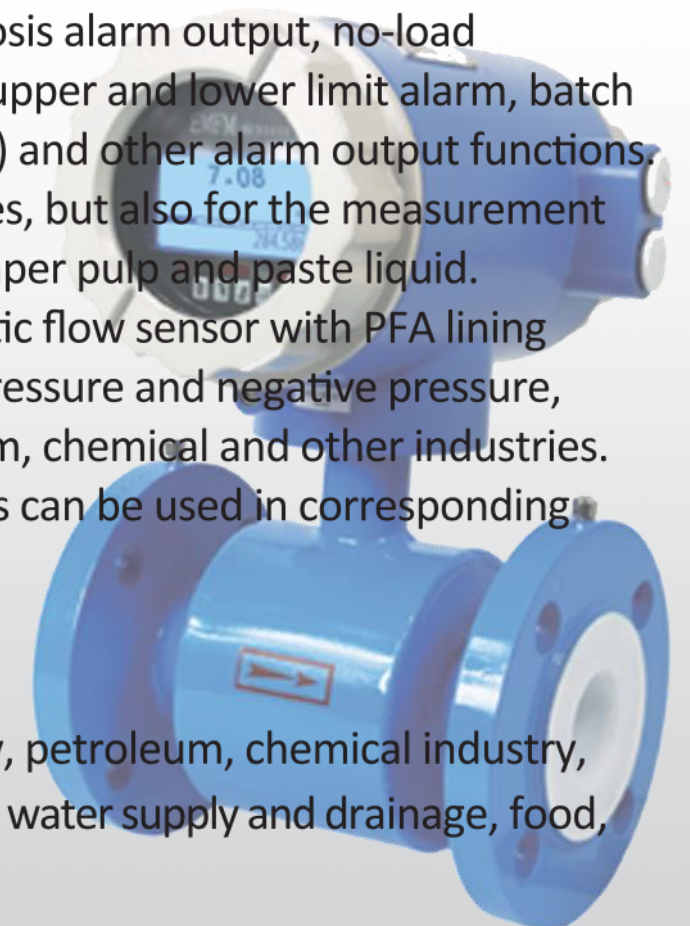
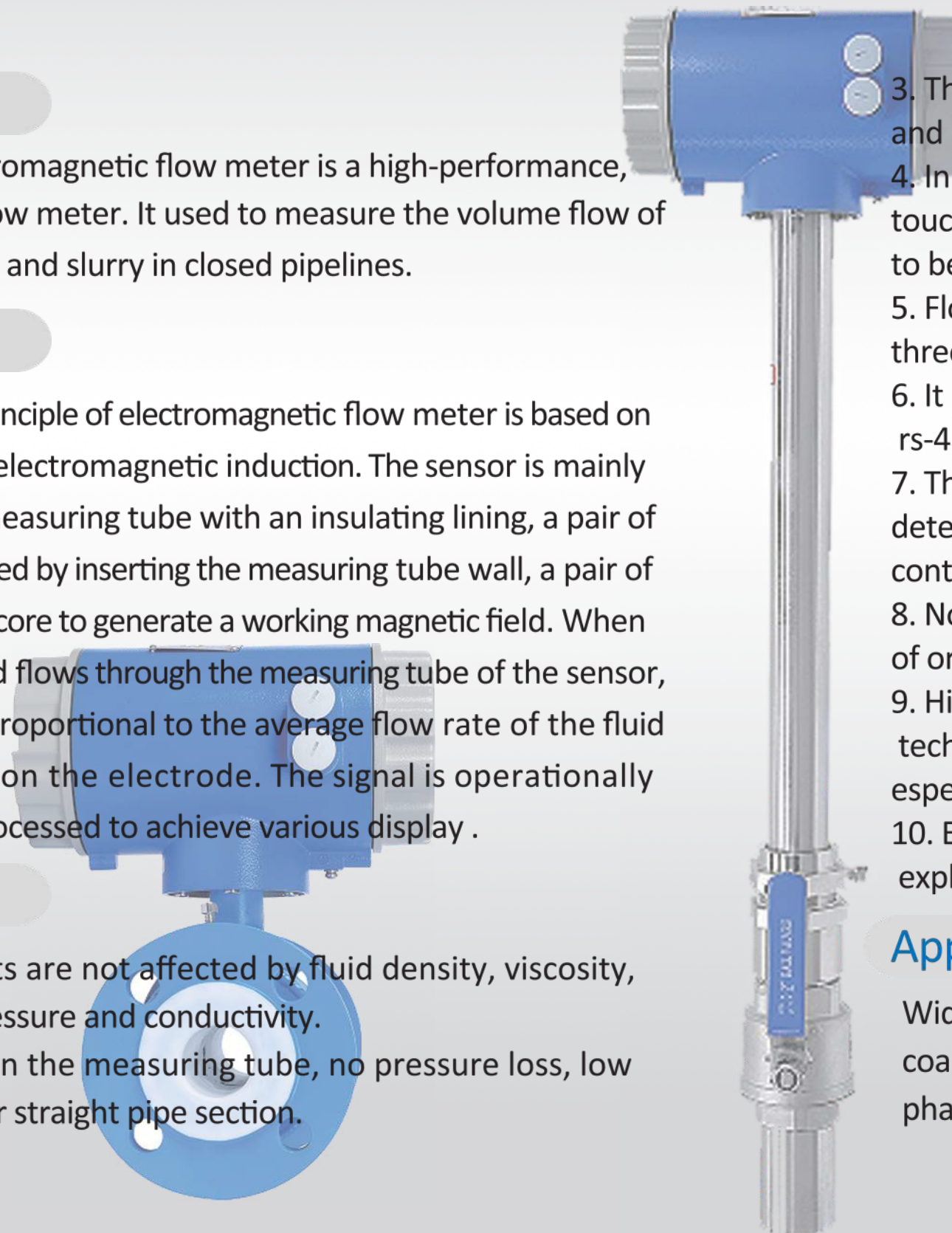
The measuring principle of electromagnetic flow meter is based on Faraday's law of electromagnetic induction. The sensor is mainly composed of a measuring tube with an insulating lining, a pair of electrodes installed by inserting the measuring tube wall, a pair of coils and an iron core to generate a working magnetic field. When a conductive fluid flows through the measuring tube of the sensor, a voltage signal proportional to the average flow rate of the fluid will be induced on the electrode. The signal is operationally amplified and processed to achieve various display .

1. Measurements are not affected by fluid density, viscosity, temperature, pressure and conductivity.
2. No obstacles in the measuring tube, no pressure loss, low requirements for straight pipe section.

3. The LCD backlight type converter can be easily displayed and read in the sun or in a dark room.
4. In harsh environments, parameters can be set via infrared touch buttons without opening the cover of the converter (need to be customized).
5. Flow meter with bidirectional measurement system, built-in three totalizers: positive total, reverse total and total difference.
6. It has various forms of output: current 4-20mA, pulse, frequency, rs-485, HART.
7. The converter has self-diagnosis alarm output, no-load detection alarm output, flow upper and lower limit alarm, batch control (need to be customized) and other alarm output functions.
8. Not only for general processes, but also for the measurement of ore pulp, mud, coal slurry, paper pulp and paste liquid.
9. High-pressure electromagnetic flow sensor with PFA lining technology, resistant to high pressure and negative pressure, especially suitable for petroleum, chemical and other industries.
10. Explosion-proof instruments can be used in corresponding explosion-proof places.

Application :

Widely used in steel, electricity, petroleum, chemical industry, coal, metallurgy, papermaking, water supply and drainage, food, pharmaceutical industry, etc.



Liquid Turbine Flow Meter

YFT series turbine flow meters have the features: high accuracy, good repeatability, convenient installation/maintenance, simple structure etc. Liquid through the turbine housing causing an internal rotor to spin. As the rotor spins, an electrical signal is generated in the pickup coil. This signal is converted into engineering units (liters, cubic meters, gallons etc.) on the local display where is applicable.

Principle:

When the measured fluid through the sensor of the turbine flowmeter, the impeller is forced to rotate under the action of the fluid, and its rotational speed is directly proportional to the average velocity of the pipe, according to the principle of electromagnetic induction, a pulsating electric potential signal, i. e. an electric pulse signal, is induced in the coil, the frequency of the electrical pulse signal is proportional to the flow rate of the measured fluid.

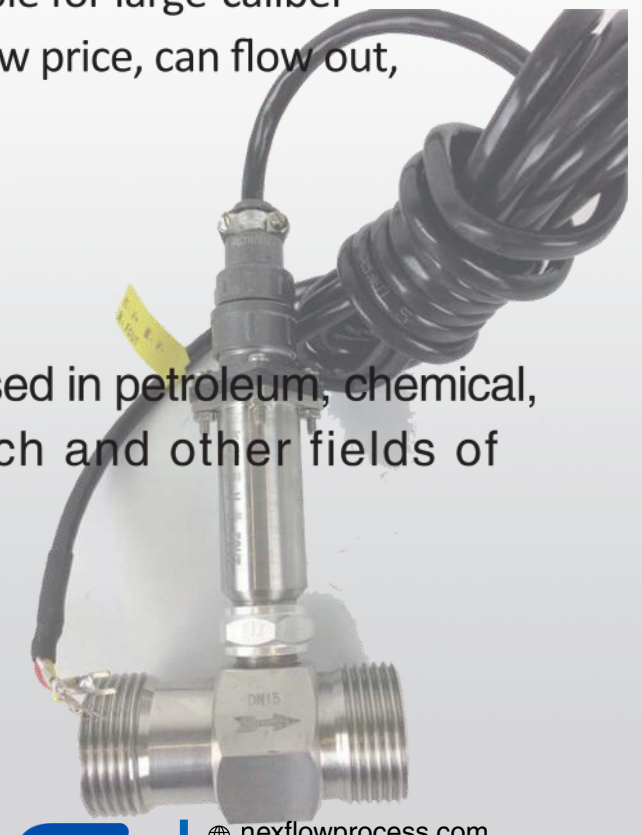
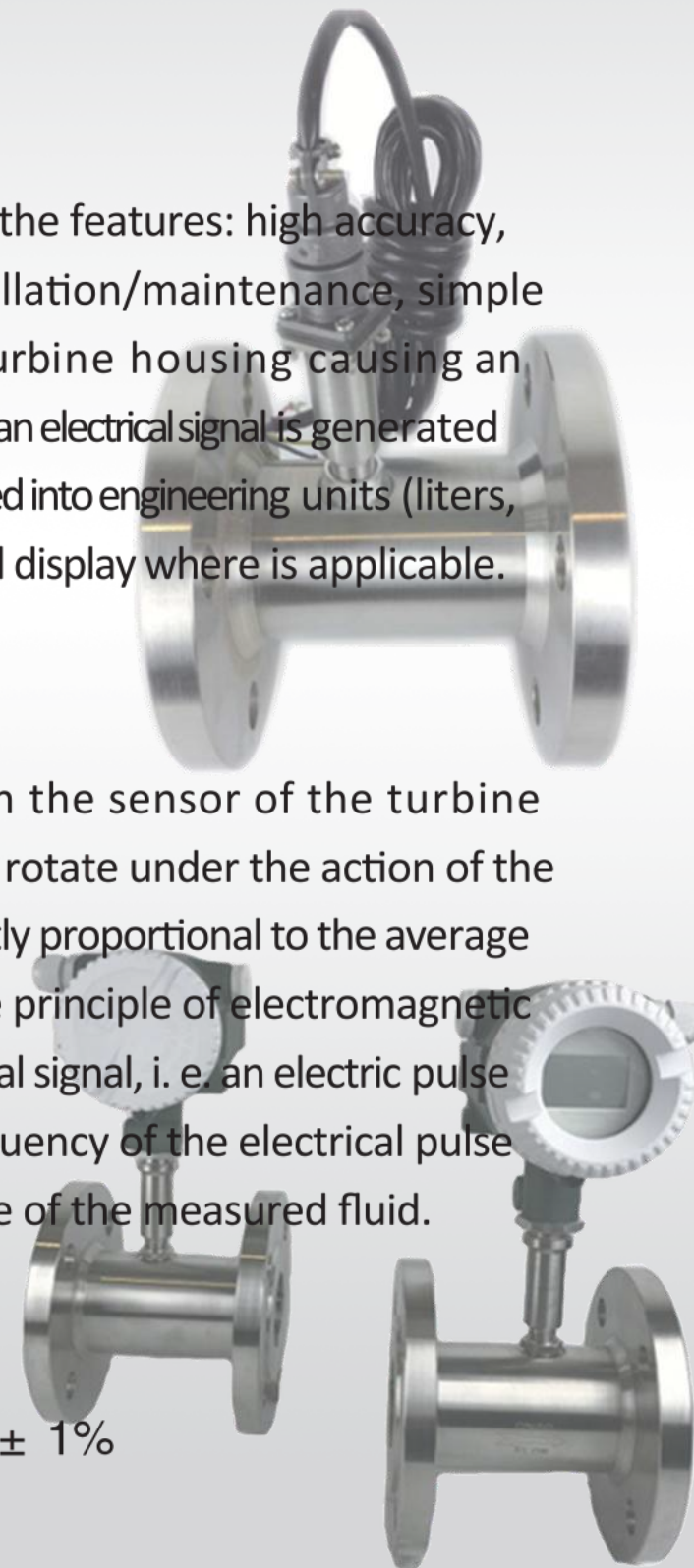
Features:

1.High accuracy, generally up to $\pm 1\%$

- 2.output pulse frequency signal suitable for total metering and computer connection without zero drift
- 3.high frequency signal (3 ~ 4 khz) with high resolution can be obtained wide range
- 4.large diameter can reach 1:20, small diameter 1:10. Compact and light structure, easy installation and maintenance, large circulation capacity
- 5.it can be easily made into high-pressure type instrument, for example, low temperature type, two-way type, downhole type, special type of sand mixing;
- 6.it can be made into insert type, suitable for large-caliber measurement, pressure loss is small, low price, can flow out, easy installation and maintenance.

Application :

Liquid turbine flowmeter is widely used in petroleum, chemical, metallurgical, scientific research and other fields of measurement and control systems. pharmaceutical industry.



Vortex Flow Meter



YFV series Vortex flowmeter is based on the principle of Carmen Vortex Street research and production, mainly used in industrial pipe medium fluid flow measurement, such as gas, liquid, vapor and other media. It is characterized by small pressure loss, large range and high precision, and it is hardly affected by the parameters of fluid density, pressure, temperature, viscosity and so on. No movable mechanical parts, so high reliability, low maintenance.

Principle:

A triangular cylindrical vortex generator in a fluid alternately produces regular eddies from both sides of the vortex generator. These eddies are called Carmen vortices, When a fluid passes through a vortex street flow transmitter in a pipe, two rows of vortices proportional to the velocity of the flow are generated alternately behind the vortex generator of the triangle cylinder, the vortex release frequency is proportional to the average velocity of the fluid flowing through the vortex generator. $F = STV/d$, therefore, the mean velocity v of the fluid flowing through the vortex generator can be calculated by measuring the vortex frequency, and the flow rate can be calculated by formula $Q = Va..$

Features:

1. The temperature and pressure compensation compensation function is integrated in the surface body at the same time, which can measure the standard volume flow rate or the standard mass flow rate of the fluid.
2. Fully intelligent and digital circuit design, can automatically compensate the measured fluid density or standard volume calculation.
3. The new digital filter and correction function make the flow measurement more accurate and reliable.
4. The battery-powered model can work continuously for more than two years without external power supply.
- 5, the new lattice Chinese character LCD display, use more convenient.

Application :

It is mainly used for flow measurement of industrial pipeline medium fluid, such as gas, liquid, vapor and other media.



Roots Flow Meter

YFG series Intelligent Gas Roots flow meter is a new generation of flow meter, which integrates flow, temperature and pressure detection functions, and can automatically compensate temperature and pressure.

Principle:

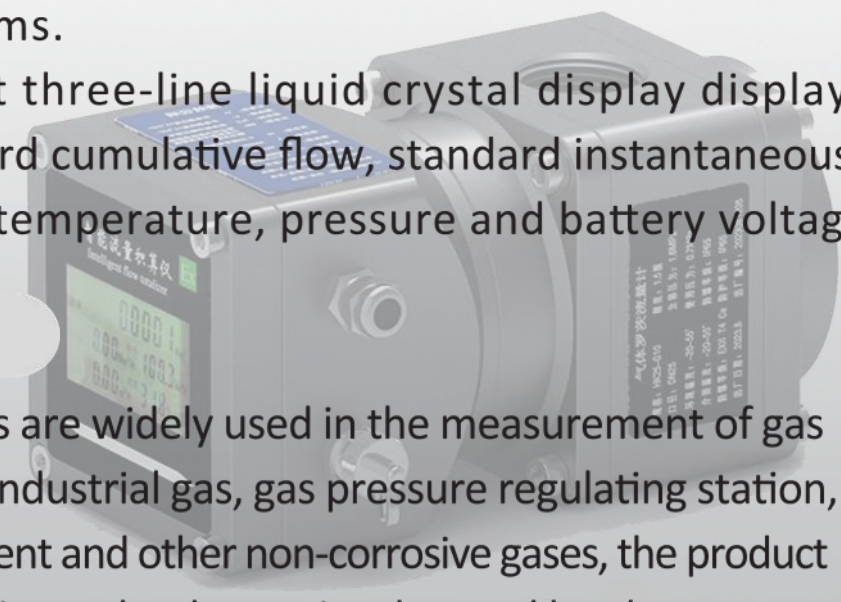
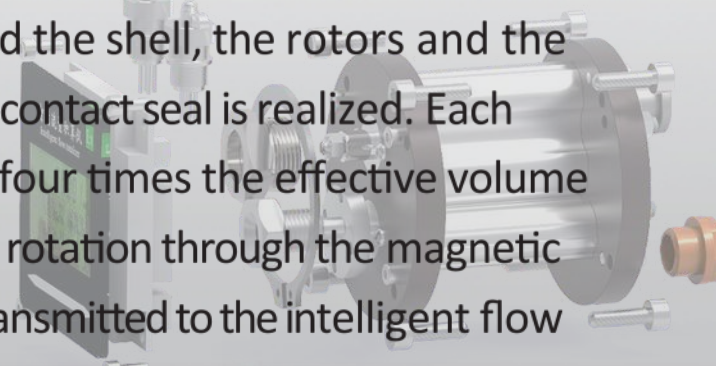
The Intelligent Gas Roots flow meter consists of a shell, a conjugate rotor, a counter and an intelligent flow integrator. A pair of conjugate rotors installed in the measuring room, under the action of the inlet and outlet pressure difference ($p_{in} > p_{out}$) of the circulating gas, keep the rotors in the correct relative position by means of precisely machined adjusting gears. The best working clearance is kept between the rotors, the rotors and the shell, the rotors and the wallboard, and the continuous non-contact seal is realized. Each rotation of the rotor, the output of four times the effective volume of the metering chamber gas, rotor rotation through the magnetic seal coupling device and reducer, transmitted to the intelligent flow totalizer, thus, the cumulative volume of the output gas is displayed.

Features:

1. With advanced microcomputer technology and high-performance integrated chip, the whole machine has powerful function and superior performance.
2. Advanced micro-power technology, low power consumption, that is, long-term operation by the built-in battery power supply, but also by external power supply, the use of built-in battery can run more than five years.
3. With fault self-diagnosis and alarm function, high reliability, LCD display, clear and intuitive, easy to read.
4. On-site display flow value, and with a variety of signal output functions to meet the needs of different sites and systems.
5. High-contrast three-line liquid crystal display display the date, standard cumulative flow, standard instantaneous flow, dielectric temperature, pressure and battery voltage.

Application :

Roots flowmeters are widely used in the measurement of gas in city pipelines, industrial gas, gas pressure regulating station, energy management and other non-corrosive gases, the product performance achieves the domestic advanced level.



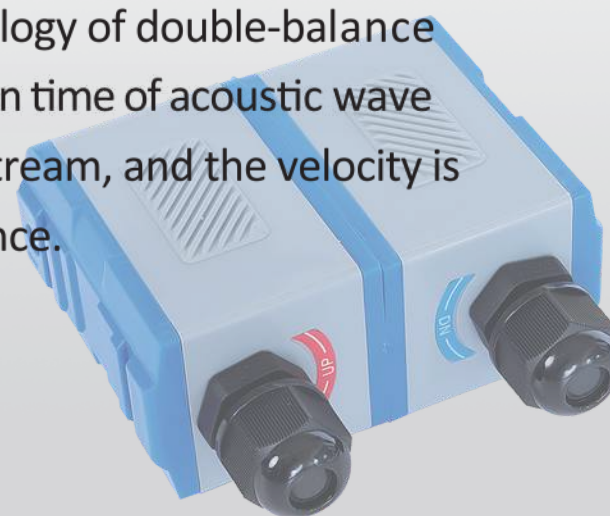
Ultrasonic Flow Meter

YFU series Ultrasonic flowmeter, easy to install, the construction of small, can on-line non-stop flow installation and on-line maintenance and replacement of sensors. Applicable to a wide range of pipe diameter, supporting pipe hoop can be installed in non-metallic material pipe.



Principle:

The wall-mounted ultrasonic flowmeter utilizes the principle of low voltage and multi-pulse time difference, the high-precision and super-stable digital detection technology of double-balance signal is used to measure the transmission time of acoustic wave in the direction of downstream and upstream, and the velocity is calculated according to the time difference.



Features:

1. The main advantage of the ultrasonic flowmeter is that it is portable, easy to carry, easy to install and use, and the flow detection range is also relatively large, can detect the flow of multiple pipe diameter.
2. Suitable for most pure liquid flow monitoring, because it does not need to break the tube, and the measurement and installation mode is simple, it has become a large class of flow monitoring difficult solution strategy.
3. Non-contact measurement, no need to break the installation of the tube, has become the ultrasonic flowmeter widely used by the largest help.
3. The product adopts the principle of ultrasonic time difference, the accuracy can reach 1.0%.

Application :

Applicable to heating industry, water supply, heat metering charges, water treatment industry, fuel and Naphtha, chemical raw materials.



Coriolis Mass Flow Meter

YFC series The Coriolis Mass Flowmeter, or Coriolis force Flowmeter, is a device that measures Mass flow directly by using the Coriolis effect principle that the Mass flow is proportional to the flow of a fluid in a vibrating pipe, it consists of a flow detection element and a converter. The de Coriolis mass flowmeter realizes the direct measurement of mass flow with high accuracy and can measure multiple media and multiple process parameters.

Principle:

The structure of Coriolis mass flowmeter is a double-elbow structure, its measuring principle is to measure the Coriolis effect force acting on the double-elbow to detect the mass flow in the pipe. When two conditions are satisfied: (1) the double-bend pipe vibrates at a certain frequency, (2) when there is fluid flow in the pipe, the Coriolis force will be produced, and this force produces torque on the bend pipe, which makes the center line of the bend pipe symmetric twist. Through the displacement sensor on both sides of the elbow to detect its electrical signal, and then the electrical signal processing, directly get the mass flow.

Features:

1. The de Coriolis mass flowmeter measures mass flow directly with high accuracy.
2. The range of measurable fluids is wide, including liquids with high viscosity, serums containing solids, liquids containing trace gases, and medium-high pressure gases of sufficient density.
3. The vibration amplitude of the measuring tube is small and can be regarded as a non-moving part.
4. It is not sensitive to the upstream and downstream flow velocity distribution.
5. The measured value is not sensitive to fluid viscosity, and the change of fluid density has little effect on the measured value.
6. Multi-parameter measurements can be made, such as simultaneous measurements of density, and thus derived from the measurement of solute concentration in solution

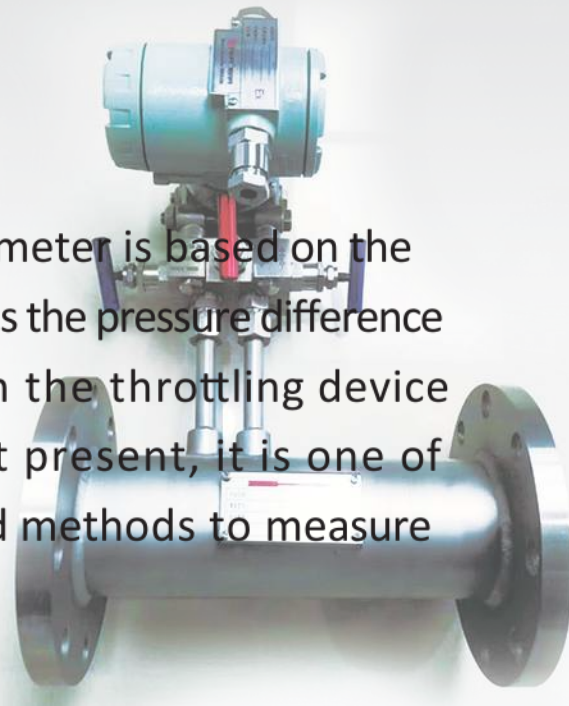
Application :

Widely used in various fields, especially for chemical, electric power, mining and metallurgy, drainage, paper, medicine, food and other fields.



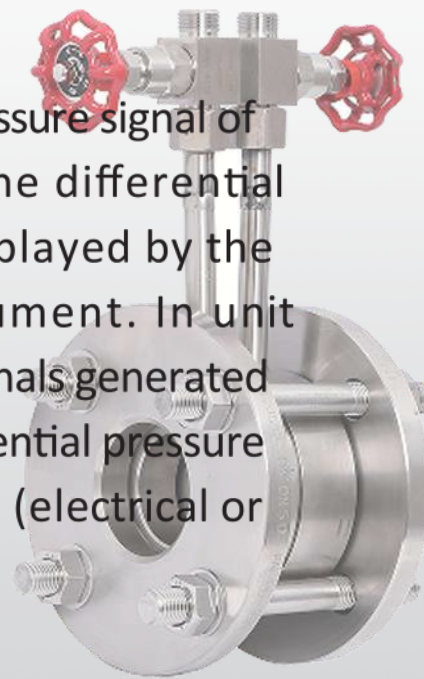
Differential Pressure Flowmeter

YFD series the differential pressure flowmeter is based on the throttling principle of fluid flow, which uses the pressure difference produced when the fluid flows through the throttling device to realize the flow measurement. At present, it is one of the most mature and commonly used methods to measure flow rate in production.



Principle:

Usually by the measured flow into a differential pressure signal of the throttle device and can be converted into the differential pressure of the corresponding flow value displayed by the differential pressure meter and display instrument. In unit combination instruments, differential pressure signals generated by throttling devices are often converted by differential pressure transmitters into corresponding standard signals (electrical or pneumatic) for display, recording or control.



Features:

1. The orifice-plate flowmeter, which is used most, has the advantages of firm structure, stable and reliable performance, and long service life.
2. It has been widely used and no flowmeter can be compared with it up to now.
3. The testing parts, the transmitter and the display instrument are produced by different manufacturers, which is convenient for the production of scale economy.



Application :

Such as fluid: single-phase, mixed phase, clean, dirty, viscous flow; working state: atmospheric pressure, high pressure, vacuum, normal temperature, high temperature, low temperature, etc. Pipe diameter: from a few mm to a few M; flow conditions: subsonic, Sonic, pulsating flow.



Density Meter

Description:

YMF series tuning fork density meter is the introduction of foreign advanced frequency tracking technology and the production of high-precision, high applicability vibration principle density meter, product design using plug-in installation, widely used in pipelines, open tank containers and closed tank containers in the medium density testing.

Principle:

Density is measured using tuning fork vibration technology. The instrument's tuning fork vibrates in the liquid, and the liquid density changes, The resonant frequency of the instrument. By monitoring the resonant frequency and conducting public monitoring, Conversion of knowledge

Advantage:

1. Suitable for flowing or stationary liquids,
2. Suitable for pipe and tank density measurement.
3. Integrated structure, no moving parts. Standard industrial and hygienic process connection. The converter is optional with GPRS wireless remote transmission function
4. Instrument built-in temperature sensor, providing accurate temperature compensation online remote verification, digital local display,
5. Factory multi-point linear correction, higher accuracy.
6. On-site recalibration; no standard reference source, no experimental calibration, no process interruption,
7. The converter is compatible with wall mount, embedded, desk-top three mounting methods. More user-friendly interface.
8. The converter uses touch screen display.

Application:

It can be widely used in petroleum and petrochemical industry; Brewing industry; Organic and inorganic chemical materials; The pharmaceutical industry; Mineral processing (clay, carbonate, silicates)



P Product Show

YF Series Flow Meters

YUN YI Flow meters are fully comprehensive (all intelligence) which is developed in using the advanced technology from domestic and foreign countries and consisted of 4800-type Electromagnetic flow sensor, Ultrasonic flow meter, Turbine flow meters and Vortex flow meters. It is widely used in water (tap water, industrial water, and sewage treatment) metallurgy, chemical, textile, food, paper, power, pharmaceutical and other industrial areas. It applies to measure (is fit for the measurement of) the volume flow of conductive medium and non-conductive medium flow including the acid, alkali, salt solution, slurry, pulp, paper pulp, waste water and so on.



YFM4800E Integrated Type Electromagnetic Flow Meter

- ☆ Measure accuracy: $\pm 0.5\%$
- ☆ Flow range: $0.3 \sim 15 \text{ m/s}$
- ☆ Working temperature: $-25^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- ☆ Flow output signal: $0 \sim 10 \text{ mA} / 4 \sim 20 \text{ mA} / \text{Pulse} / \text{MODBUS} / \text{HART}$
- ☆ Supply voltage: 220 VAC or 24 VDC
- ☆ Sensor connection: Flanged, Threaded connection, Clamping connection type
- ☆ Lining material: PTFE, Soft rubber, Polyurethane rubber, F46 poly perfluoro ethyleneally
- ☆ Protection class: IP67



YFM4800 Segregated Electromagnetic Flow Meters

- ☆ Measure accuracy: $\pm 0.5\%$
- ☆ Flow range: $0.3 \sim 15 \text{ m/s}$
- ☆ Working temperature: $-25^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- ☆ Flow output signal: $0 \sim 10 \text{ mA} / 4 \sim 20 \text{ mA} / \text{Pulse} / \text{MODBUS} / \text{HART}$
- ☆ Supply voltage: 220 VAC or 24 VDC
- ☆ Sensor connection: Flanged, Threaded connection, Clamping connection type
- ☆ Lining material: PTFE, neoprene, polyurethane rubber, rubber acid
- ☆ Protection class: IP67

P Product Show



YFM3800 Plug-in Electromagnetic Flow Meters

- ☆ Measure accuracy: $\pm 0.5\%$
- ☆ Pipe size: $\text{DN}300 \sim 3000 \text{ mm}$
- ☆ Working temperature: 0 to 70°C
- ☆ Flow output signal: $4 \sim 20 \text{ mA}$, pulse, frequency
- ☆ Supply voltage: 220 VAC , $24 \text{ VDC} / 12 \text{ VDC}$, 3.6 VDC
- ☆ Sensor connection: Flange or Thread
- ☆ Lining material: PTFE, neoprene, polyurethane rubber, rubber acid
- ☆ Protection class: IP68



YFT300 Liquid Turbine Flow Meter

- ☆ Pipe size: $\text{DN}15 \sim \text{DN}200$
- ☆ Output: $4 \sim 20 \text{ mA}$ or RS485 or pluse
- ☆ Power supply: supply voltage 12 VDC or 24 V DC
- ☆ process connection: Flange/Thread
- ☆ Accuracy: $1\% \text{ F.S}$
- ☆ Working temperature: $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$
- ☆ Working pressure: 1.6 MPa , 2.5 MPa
- ☆ Protection class: IP67



YFT300D Intelligent Liquid Turbine Flow Meter

- ☆ Measure accuracy: Standard: $\pm 1\%$ of reading; Optional: $\pm 0.5\%$ of reading
- ☆ Pipe size: $\text{DN } 15 \text{ mm} \sim 200 \text{ mm}$
- ☆ Working temperature: $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$
- ☆ Flow output signal: $4 \sim 20 \text{ mA}$, pulse, RS485
- ☆ Supply voltage: 220 VAC , $24 \text{ VDC} / 12 \text{ VDC}$, 3.6 VDC
- ☆ Sensor connection: Flange
- ☆ Protection class: IP67



YFV300 Vortex Flow Meter

- ☆ Measure accuracy: $\pm 1\% \text{ R}$, $\pm 1.5\% \text{ R}$
- ☆ Pipe size: $\text{DN } 15 \text{ mm} \sim 300 \text{ mm}$
- ☆ Working temperature: $-40^{\circ}\text{C} \sim +350^{\circ}\text{C}$
- ☆ Flow output signal: $4 \sim 20 \text{ mA}$, /pulse
- ☆ Supply voltage: $24 \text{ VDC} / 12 \text{ VDC}$, 3.6 VDC
- ☆ Sensor connection: Flange,
- ☆ Protection class: IP67

P Product Show



YFV330 Vortex Flow Meter

- ☆ Pipe size: DN15-DN200
- ☆ Output: 4-20mA or RS485 or pluse
- ☆ Power supply: supply voltage 12VDC or 24V DC
- ☆ process connection: Flange/Thread
- ☆ Accuracy : 1%F.S
- ☆ Working temperature: -20°C~120°C
- ☆ Working pressure: 1.6MPa,2.5MPa
- ☆ Protection class: IP67



YFU2000A Wall-mount Ultrasonic Flow meter

- ☆ Pipe Size: 32-1000mm
- ☆ Working temperature : -30°C~90°C
- ☆ High-temperature: -30°C~160°C
- ☆ Flow output signal: 0~10mA/4~20mA/Pulse/MODBUS/HART
- ☆ Supply voltage: 220VAC or 24VDC
- ☆ Linearity: 0.5%
- ☆ Repeatability: 0.2%
- ☆ Accuracy: ±1%FS
- ☆ Application: Wastewater treatment plant, City sewer flow; and farmland irrigation channels, etc



YFU2000B In-line Ultrasonic Flow Meter

- ☆ Pipe Size: 15-6000mm
- ☆ Working temperature : Host: -20~60°C; Flow sensor: -30~160°C
- ☆ Flow output signal: 4~20mA/Pulse/485
- ☆ Supply voltage: DC8-36V or AC85-264V (Optional)
- ☆ Linearity: 0.5%
- ☆ Repeatability: 0.2%
- ☆ Accuracy: Flow meter:±0.5%FS; 1%FS
- ☆ Application: Water, sea water, industrial sewage, acid and alkali solutions, alcohol,beer, various oils and other single uniform liquids that can conduct ultrasonic waves



YFU2000C Handheld Ultrasonic Flow meter

- ☆ Pipe Size: 20-6000mm
- ☆ Working temperature : -20°C~+160°C
- ☆ Communication Interface: 4~20mA/Pulse/485
- ☆ Supply voltage: Built-in rechargeable Ni-MH battery (for 20 hours operation) orAC 220V
- ☆ Linearity: 0.5%
- ☆ Repeatability: 0.2%
- ☆ Accuracy: Flow meter:±1.0%FS
- ☆ Application: Water, sea water, industrial sewage, acid and alkali solutions, alcohol, beer, various oils and other single uniform liquids that can conduct ultrasonic waves

P Product Show



YFGR25 Roots Flow Meter

- ☆ Pipe size: DN25-DN250
- ☆ Output: 4-20mA or RS485 or pluse
- ☆ Power supply: supply voltage 24VDC or 3.6V DC
- ☆ process connection: flange
- ☆ Accuracy : 1.5%F.S or 1%F.S
- ☆ Working temperature: -20°C~50°C
- ☆ Working pressure: 1.6MPa,2.5MPa
- ☆ Protection class: IP67



YFGR15 Small Roots Flow Meter

- ☆ Pipe size: DN15-DN40
- ☆ Output: 4-20mA or RS485 or pluse
- ☆ Power supply: supply voltage 12VDC or 24V DC
- ☆ process connection: Flange/Thread
- ☆ Accuracy : 1.5%F.S or 1%F.S
- ☆ Working temperature: -20°C~60°C
- ☆ Working pressure: 1.6MPa,2.5MPa
- ☆ Protection class: IP65



YFC100 Coriolis Mass Flow Meter

- ☆ Pipe size: DN3-DN300
- ☆ Output: 4-20mA or RS485 or pluse or HART
- ☆ Power supply: supply voltage 24V DC or 220V AC
- ☆ process connection: flange
- ☆ Accuracy : 0.15/0.2/0.3/0.5
- ☆ Ambient temperature: -40~80°C
- ☆ Working temperature: -200°C~388°C
- ☆ Working pressure: 4MPa,25MPa
- ☆ Protection class: IP67
- ☆ Certificate: Ex db ia [ia Ga] II B/II C T1~T6 Gb

P Product Show

YFC400 Coriolis Mass Flow Meter



- ☆ Pipe size: DN3-DN300
- ☆ Output: 4-20mA or RS485 or pulse or HART
- ☆ Power supply: supply voltage 24V DC or 220V AC
- ☆ process connection: flange
- ☆ Accuracy: 0.15/0.2/0.3/0.5
- ☆ Ambient temperature: -40~80°C
- ☆ Working temperature: -200°C~388°C
- ☆ Working pressure: 4MPa, 25MPa
- ☆ Protection class: IP67
- ☆ Certificate: Ex db ia [ia Ga] II B/II C T1~T6 Gb

YFD330 Integral orifice plate Flow Meter



- ☆ Pipe size: DN15-DN1200
- ☆ Output: 4-20mA/HART
- ☆ Power supply: 24V DC
- ☆ process connection: Flange/Thread
- ☆ Accuracy: 1%
- ☆ Working temperature: -50°C~550°C
- ☆ Working pressure: 10MPa
- ☆ Protection class: IP67

YMF-886 Tuning Fork Density Meter



Tuning fork density meter is the introduction of foreign advanced frequency tracking technology and the production of high-precision, high applicability vibration principle density meter, product design using plug-in installation, widely used in pipelines, open tank containers and closed tank containers in the medium density testing.

- ☆ Density range: 0-3 G / Cm3 (3 / 2.5 / 2 / 1.5 / 1)
- ☆ Output: 4-20 MA, 4-wire (2-wire System Can Not Be Used)
- ☆ Operating temperature range: -50 °C ~ + 200 °C
- ☆ Insertion depth: (flange Distance To The End Of The Fork, Minimum 125 Mm, Up To 2 Meters)
- ☆ Supply voltage: 20 - 28 V DC, 35 - 45mA
- ☆ Accuracy: 0.001 G / Cc, With A Resolution Of 0.0001g / Cc
- ☆ Process connection: 1.5 "npt Threaded Connection; Din 50 Pn40 And Pn100 Flange Connection;
- ☆ Protection: Ip65

P Product Show



YMF-886S Fork Density Meter

- ☆ Measurement range: 0~3 g/cm³ optional
- ☆ Output: 4-20 mA signal (four wires). RS485
- ☆ Accuracy: 0.3% (actual range) or 0.001 g/cm³ (choose the max)
- ☆ Resolution: 0.0001 g/cm³
- ☆ Installation mode: DN50 DN80 DN100 and thread installation (thread installation is with installation base)
- ☆ Range of application: -20-125 degree
- ☆ Max working pressure: 20MPa
- ☆ IP grade: IP65

YMF-882 Side-mounted Differential Pressure Density Meter



- ☆ Output signal: Two-wire system 4-20mA
- ☆ Power supply: 24VDC
- ☆ Display in place: 4-bit half-digital LCD display
- ☆ Density Range: 0-1g/cm³; 0-2 g/cm³; 0-3 g/cm³
- ☆ Accuracy: 0.1% (20 °C 时)
- ☆ Temperature range: Ambient temperature: -40~85 °C;
- ☆ Process temperature: -20~150 °C
- ☆ Storage temperature: -40~100 °C;
- ☆ Digital display: -10~60 °C
- ☆ Startup time: 5s after power on
- ☆ Static pressure range: 7Mpa
- ☆ Humidity range: 0-100%RH
- ☆ Electrical interface: M20*1.5
- ☆ Process link: France connection (hygienic)
- ☆ Contact liquid material: S316 HC22 PTEE etc. (can be OEM according to actual working conditions)
- ☆ Installation model: Mount vertically or on the side of the tank
- ☆ Medium flow direction: Measure from the top down or static measurement
- ☆ Protection: IP65

YMF883 Plug-in Differential Pressure Density Meter



- ☆ Current Output: 4 ~ 20mA
- ☆ Digital Signal: HART protocol
- ☆ Power Supply: 16 ~ 30V DC (24V DC is recommended)
- ☆ Density Range: 0-1g/cm³; 0-2 g/cm³; 0-3 g/cm³
- ☆ Accuracy: 0.001 g / cm³
- ☆ Resolution: 0.001 g / cm³
- ☆ Temperature Range: 0 ~ 100 °C
- ☆ Temperature Accuracy: 0.2 °C
- ☆ Ambient Temperature: -10 ~ 60 °C
- ☆ Humidity Range: 0 ~ 90%

Temperature Transmitter

Description:

YT series temperature transmitter is composed of a temperature sensor and a signal converter. The signal converter is installed in the cold terminal junction box of the temperature sensor. The temperature sensor is affected by temperature to produce resistance or potential effect, and a differential voltage signal is generated after conversion. This signal is amplified by the amplifier, and then converted by voltage and current, and outputs a current signal of 4-20mA.

Features:

1. Two-wire transmission is possible. The two wires that power the signal converter also carry the output signal
2. Output constant current signal or constant voltage signal, with strong anti-interference ability and good remote transmission performance.
3. The signal converter is encapsulated into a module with epoxy resin, which has the advantages of anti-vibration, corrosion resistance and moisture resistance, and can be used in places with poor conditions.

4. The resistance signal or millivolt signal of thermal resistance/thermocouple is directly converted into 4-20mA current output by the signal converter, and the signal is transmitted by ordinary cable, which can save the expensive compensation wire.
5. The temperature transmitter with on-site display can not only output a current signal of 4-20mA, but also read the measured temperature at the temperature measurement site, which brings great convenience to the operator.
6. High precision, anti-interference, good long-term stability, maintenance-free, and remote transmission (up to 1000 meters).

Application :

Compatible with 316L, noncorrosive gases & liquids. Special use in harsh environment conditions.



P Product Show

YT Series Temperature Transmitter

YUNYI Temperature sensor/transmitter adopts high precision PT100/PT1000 temperature sensor, through strict temperature, linear compensation and stability of high performance electrical mode signal processing technology, suitable for differential liquid or gas medium temperature measurement.

YT-1 Temperature Transmitter (Resistive signal type)



- ☆ Measurement Range: -50~+200°C Customized
- ☆ Output: Resistive signal type
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: ①6; ①8 optional
- ☆ Power supply: 9VDC-30VDC
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%FS optional
- ☆ Environment temperature: -40°C~+85°C
- ☆ Certificate: CE. Exiall CT6 Ga

YT-2 Integrated Type Temperature Transmitter



- ☆ Measurement Range: -50~+200°C Customized
- ☆ Output: 4~20mA, RS485, Resistive signal type optional
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: ①6; ①8 optional
- ☆ Power supply: 9VDC-30VDC
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%FS optional
- ☆ Environment temperature: -40°C~+85°C
- ☆ Certificate: CE. Exiall CT6 Ga

P Product Show

YT-3 Isolated Type Temperature Transmitter



- ☆ Measurement Range: 0~400°C Customized
- ☆ Output: 4~20mA, 0-5V/0-10V
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: 06; <t>8 optional
- ☆ Power supply: 9VDC-30VDC
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%FS optional
- ☆ Environment temperature: -40°C~+85°C
- ☆ Certificate: CE. Exiall CT6 Ga

YT-4 Integrated Display Type Temperature Transmitter



- ☆ Measurement Range: -50~+400°C Customized
- ☆ Output: 4~20mA, 0-5V/0-10V
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: 06; <t>8 optional
- ☆ Power supply: 12-30VDC
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%FS optional
- ☆ Environment temperature: -40°C~+85°C

YT-5 Plug Furnace Thermocouple Probe Temperature Transmitter



- ☆ Measurement Range: -200~60(TC)
- ☆ Output: 4~20mA, 0-5V/0-10V
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Length: 30mm (default) 100mm, 150mm, 200mm or by
- ☆ Power supply: 12-30VDC
- ☆ Process: Groove Rolling, SMD, etc.
- ☆ Terminals: U type, Pin type, Aviation Type
- ☆ Cable Material: PVC, Silicone, Teflon, PTFE

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Product Show



YT-6 Waterproof Thermistor RTD Temperature Transmitter

- ☆ Range:

☆ Accuracy:

☆ Probe Length:

☆ Process:

☆ Terminals:

☆ Cable Material:
- 40-1200°C (Ktype), 0-1800°C (Btype)

2B, B, A, 1/3B etc.

30mm (default) 100mm, 150mm, 200mm or by customized

Groove Rolling, SMD, etc.

U type. Pin type. Aviation Type

PVC, Silicone, Teflon, PTFE



YT-7 Explosion-Proof Type Temperature Transmitter

- ☆ Measurement Range:

☆ Output:

☆ Sensor type:

☆ Probe Dimension:

☆ Power supply:

☆ Pressure port:

☆ Accuracy:

☆ Environment temperature:

☆ Certificate:
- 50~+400°C Customized

4~20mA+Hart Protocol, RS485 modbus(HTS205)

PT100, PT1000

8mm

12-36VDC

Insert type

0.25%FS; 0.5%FS optional

-40°C~+85°C

CE. Exiall CT6 Ga

LT-WT series Temperature Calibrator



☆ Model	W150T1	W150T2	W600T	W1000T	W1200T
☆ Temperature range	-20~150℃	-30~150℃	50~600℃	300~1000℃	300~1200℃
☆ Heating rate	30~100: 20min 30~150: 40min		30~300:7 min 30~600:25min	30~1200:75 min	
☆ Accuracy	≤±0.1℃		400℃ ≤±0.35℃ 400-600℃≤±0.5℃	≤±1.2℃	
☆ Diameter of Soaking pit	30mm		32mm	39mm	
☆ Vertical temperature field	50mm axial uniformity (bottom up 50mm)				
☆ Horizontal temperature field	≤±0.05℃		≤±0.05℃	≤±0.2℃	
☆ Insert depth	165mm		150mm	135mm	
☆ MIX Power	500w		800w	3000w	
☆ Temperature unit	℃ or °F;				
☆ Control accuracy	0.1%FS or 0.2%FS;				
☆ Power supply	220v± 10% ,45-60hz ,or 110v± 10%				
☆ Display resolution	±0.1℃ or ±0.01℃				
☆ Size	310*190*340mm		250*150*310mm	310*190*340mm	
☆ weight	15KG		11KG	12KG	

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Product Show



Hart 475

- ☆ Model:

☆ Communication signal

☆ Communication lines

☆ Display

☆ Controls

☆ Power supply

☆ Size

☆ Weight
- HART 475

Dedicated cable, long 1.1m (3.6ft)

Length: 1Km (0.62 mile) (0.75 ~ 1.25mm2)

Load resistance: 250 ~ 600Ω

Load Capacitance: 0.22uF less

Load Inductance: 3.3mH or less

Spacing and power cord: 15cm above (to avoid parallel

128 * 64 dot matrix LCD

Touch switch (four direction keys, 19 function keys, a power switch) 4

1.2V rechargeable battery

180 * 80 * 54mm (L * W * H)

700g