

Asmke

Your One-stop Measuring Solution Expert

Company Profile

Jiangsu Meike Instrument Co.,Ltd

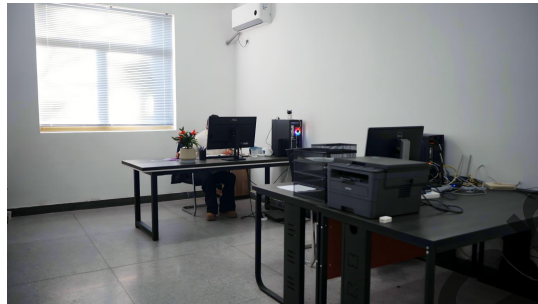


- **About Us**
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- **Project Case**

About Us

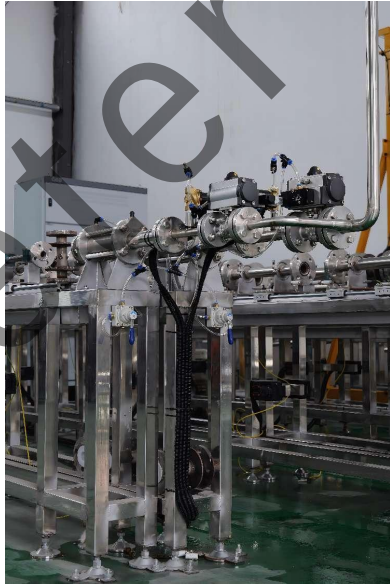
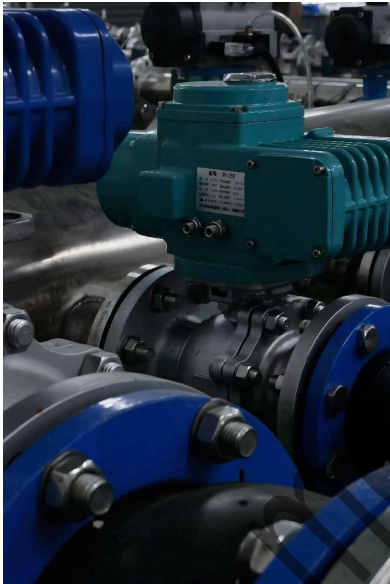
Asmke

- Asmke is a professional instrument manufacturer and solution service provider, with more than 10 years industry experience.
- Asmke' s factory is certified by ISO system, Asmke' s products is certified by CE, SGS and other international certification.
- Asmke' s main products includes flow instrument, pressure instrument, transmitter instrument, level instrument, temperature instrument, calibration instrument, smart display instrument, valves and cable
- Asmke provides measuring solution and one-stop-service to worldwide clients from industrial sector like petroleum, chemical, electrical power, metallurgy, aerospace, water conservancy, environmental protection and etc
- Looking forward to cooperation with you in near future!



About Us

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Workshop

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**CERTIFICATE OF OCCUPATIONAL HEALTH AND
SAFETY MANAGEMENT SYSTEM**

Certificate No: 7162550334R05

In witness whereof

Jiangsu Meike Instrument Co., Ltd.
(Organization Code/Credit No.: 913208313020885083)

Registration Address: No. 18-3 Jianshe Road, Industrial Concentration Zone,
Ningqiao Town, Jintu County
Business Address: No. 188 Congyuan Road, Jintu County Economic Development Zone,
Huai'an City, Jiangsu Province

has been assessed and is in conformity with
GB/T45001-2020/ISO45001:2018

Certification Scope: Related occupational health and safety management
activities involved in the manufacturing of instruments

Issue Date: January 23rd, 2025
Renewal Date: January 23rd, 2025
Valid Until: January 22nd, 2028



The certificate is valid within the term of validity of all administrative and qualification
license subject to the regulation of P.R.China.
Certified organizations must undergo regular monitoring audits and pass the audit before they can
maintain the validity of their certificate
Official website of China National Certification and
Accreditation Administration: <http://cn.cca.gov.cn>
The validity of this certificate is subject to the score result of the G-Code in the lower left corner

Shandong Saige Certification Technology Co., Ltd
Ruangui International EHI, No.157, Shanda Road, Shandong, China

Certificates

Why Choose Us

Asmke

**10+ Years
Instrument
Industry
Experience**

**One-stop
Solution and
Service Provider**

**Customization, O
EM, ODM are
welcomed**

**CE Certificated
1 Year Guarantee
Fast Delivery**

Main Products

Asmke

Flow Instrument	Temperature Instrument	Pressure Instrument	Level Instrument	Digital Display	Valve& Cable
Ultrasonic Flowmeter	Thermistor	Pressure Transmitter	Magnetic Flap Level Gauge	Flow Totalizer	Pneumatic Control Valve
Elecotromagnetic Flowmeter	Thermocouple	Single/ Double Flange Pressure Transmitter	Radar Level Gauge	PID Controller	Pneumatic Switch Ball Valve
Liquid Turbine Flowmeter	Bimetallic Thermometer	Pressure gauge	Ultrasonic Level Gauge	Digital Display Meter	Cable
Gas Turbine Flowmeter			RF Admittance Level Gauge		
Vortex Flowmeter			Single and Double Flange Level Gauge		
Rotating Vortex Flowmeter					
Thermal Gas Mass Flowmeter					
Cariolis Mass Flowmeter					
Orifice Plate Flowmeter					
Annubar Flowmeter					
Gas Roots Flowmeter					



Product Feature

- It has a very simple installation method, without breaking the pipe or stopping the water supply, so that customers can easily and flexibly measure the pipeline flow;
- The product can also be equipped with a permanent installation fixture, without daily maintenance, and provide reliable and drift-free measurement for a long time;
- It adopts advanced digital correlation technology and intelligent adaptive sound wave technology, making its measurement stability more prominent. At the same time, it uses patented acoustic focusing technology to significantly enhance the signal reception quality of the product during continuous measurement. Portable/handheld ultrasonic flowmeter;
- It adopts non-contact measurement, has a large measurement range, no moving mechanical parts, and is not affected by system pressure and harsh environment. It has been successfully used in the measurement of fluids such as water, pure water, seawater, sewage, chemical wave, river water, fuel oil, etc.;
- The upper limit temperature of the standard sensor is 160°C. Please contact the manufacturer or supplier if it exceeds this temperature;
- Portable/handheld ultrasonic energy meters are widely used in the measurement of system energy consumption in industries such as refrigeration, heating, heat exchangers, refrigerators and boilers

Flow Instrument - Ultrasonic Flowmeter

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Technical Parameter

Measuring Accuracy	±1%
Working Power	Isolation 8-36VDC or 85-264VAC
Power Consumption	5W
Optional Output	1-way isolated RS485 output, supporting MODBUS protocol
	1-way isolated 4-20mA or 0-20mA output (active or passive optional): dual-way isolated OCT output (OCTI pulse width is programmable between 6-1000ms, default 200ms)
	1-way bidirectional serial peripheral universal interface, which can directly connect multiple external devices such as 4-20mA analog output board, frequency signal output board, thermal printer, data recorder, etc. in series
Optional Input	3-way 4-20mA analog input loops
Display	2x10 Chinese character backlight display (Chinese and English bilingual optional)
Operation	16-key or 4-key window operation
Other Functions	Automatically memorize the positive and negative net cumulative flow of the previous 512 days, the previous 128 months, and the previous 10 years. Automatically memorize the power-on and power-off times and flow of the previous 30 times, and can realize automatic or manual replenishment.
Flow sensor	Clamp-on, plug-in and pipe segment

Product Feature



- Not affected by changes in fluid density, viscosity, temperature, pressure and electrical rate, the linear measurement principle can achieve high-precision measurement
- There is no flow block in the measuring tube, the pressure loss is small, and the straight pipe section requirement is low
- The nominal diameter DN10-DN2000 covers a wide range, and there are multiple options for lining and electrodes
- which can meet the requirements of measuring a variety of conductive fluids
- The converter uses programmable frequency low-frequency rectangular wave excitation, which improves the stability of flow measurement and has low power loss
- The converter uses a 16-bit embedded microprocessor, full digital processing, fast calculation speed, strong anti-interference ability, reliable measurement, high accuracy, and the flow measurement range can reach 50:1
- High-definition backlit LCD display, full Chinese menu operation, easy to use, simple operation, easy to learn and understand
- With RS485 or RS2320 digital communication signal output.

Flow Instrument - Electromagnetic Flowmeter

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Technical Parameter

Nominal Diameter	DN6-DN3000
Nominal Pressure	Flange connection PN1.0-42MPa, Clamp connection PN1.0MPa, Plug-in connection PN1.0- PN4.0MPa
Accuracy	Pipe section type: the indicated value $\pm 0.5\%$, and for DN400 and above, it is better than 1% , Insertion type: the indicated value $\pm 2.5\%$
Lining Material	Polytetrafluoroethylene (PTFE), polychloroprene rubber, polyurethane rubber, polysilicone fluorine rubber, polytetrafluoroethylene propylene (F46), PFA
Electrode Material	316L, Hastelloy B, Hastelloy C, Titanium, Tantalum, Platinum/Iridium Alloy, Tungsten Carbide
Ambient Temperature	-20°C~70°C
Conductivity of Medium	$\geq 20\mu\text{s/cm}$
Protection Level	IP65、IP67、IP68 Optional
Explosion-proof Grade	EXDIICT6
Output Signal	4~20mA, Frequency output, Pulse equivalent, Alarm output, Data communication
Power Supply Mode	AC220V 50HZ/DC24V/3.6V Lithium battery

Product Feature



- High accuracy, generally up to $\pm 1\%R$, $\pm 0.5\%R$, high-precision type up to $\pm 0.2\%R$; (R refers to reading error)
- Good repeatability, short-term repeatability can reach $0.05\% \sim 0.2\%$. Because of the good repeatability, if it is calibrated frequently or online, it can obtain extremely high accuracy. It is the preferred flow meter in trade settlement
- Output pulse frequency signal, suitable for total volume measurement and connection with computer, no zero drift, anti-interference
- Original pulse frequency range ($10\text{Hz} \sim 1.5\text{KH}$), strong signal resolution
- Maximum range ratio, $10:1 \sim 20:1$
- Suitable for high-pressure measurement, no need to open holes on the meter body, easy to make high-pressure instrument; There are many types of special sensors, which can be designed into various special sensors according to the special needs of users, such as low-temperature type, bidirectional type, downhole type, sand mixing type
- Can be made into insertion type. Suitable for large-caliber measurement, small pressure loss, low price, can be continuously removed, easy to install and maintain, compact and lightweight structure, easy to install and maintain, large flow capacity

Flow Instrument - Liquid Turbine Flowmeter

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Technical Parameter

Medium to Tested	No impurities, low viscosity, no strong corrosive liquid	
Instrument caliber and connection method	Flange connection type: DN15-DN200 Threaded connection type: DN4-DN50 Clamp connection type: DN4-DN200 Clamp connection: DN15-DN100	
Accuracy Grade	$\pm 1\%R$ 、 $\pm 0.5\%R$	
Repeatability	$\leq 0.15\%$, $\leq 0.1\%$ 、 $\leq 0.03\%$	
Range Ratio	1:10 1:15	
Conditions of Use	Medium temperature: General type, standard: $-20^{\circ}\text{C}\sim+80^{\circ}\text{C}$, High temperature type, customized: $-20^{\circ}\text{C}\sim+120^{\circ}\text{C}$ Ultra-high temperature type, customized: $-20^{\circ}\text{C}\sim+150^{\circ}\text{C}$;	
	Ambient temperature: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ Relative humidity: 5%~90%	
	Atmospheric pressure: 86Kpa~ 106Kpa	
Output Mode	Analog output: pulse: 4-20mA Digital communication: RS485 HART protocol	
Power Supply Mode	3.6VDC Lithium battery 24VDC	
Flow Meter Material	Shell material: 304 316 PTFE (need to be customized) Impeller material: stainless steel duplex steel: PTFE (need to be customized)	
Withstand Voltage Level	Flange connection: PN1.0MPa-PN10MPa Clamp connection: PN1.0MPa	Threaded connection: PN6.3MPa Clamp connection: PN1.6MPa-PN40MPa

Flow Instrument - Gas Turbine Flowmeter

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Product Feature



- High-quality aluminum alloy turbine, with higher flow stability and corrosion resistance, imported special bearings, long service life
- The metering chamber is isolated from the ventilation chamber to ensure the safety of the meter. It can detect the temperature, pressure and flow of the measured gas, can automatically track and compensate the flow, and display the cumulative volume of the gas under the standard state ($P_b=101-325\text{KPa}$, $T_b=293.15\text{K}$); the temperature and pressure values can be queried in real time
- The flow range is wide ($Q_{\max}/Q_{\min}>20:1$), good repeatability, high accuracy (up to 1.0 level) small pressure loss, low starting flow, up to $0.6\text{mm}^3/\text{h}$
- Intelligent instrument coefficient multi-point nonlinear correction
- Built-in pressure and temperature sensor, high safety performance, compact structure, beautiful appearance
- Adopting new microprocessor and high-performance integrated chip, it has high calculation accuracy, powerful whole machine function and superior performance.
- The repeatability can reach $0.05\%R\sim 0.2\%R$. It is precisely because of its good repeatability that it is the preferred flowmeter in trade settlement.

Flow Instrument - Gas Turbine Flowmeter

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Technical Parameter

Instrument Caliber and Connection Method	25、40、50、65、80、100、125、150、200、250、300 Flange connection
Accuracy Level	± 1.5%(±1.0% Need to be customized)
Range Ratio	1:10 ; 1:20 ; 1:30
Instrument Material	Meter body: 304 stainless steel or cast aluminum Impeller: anti-corrosion ABS or high-quality aluminum alloy Converter: cast aluminum
Conditions of Use	Medium temperature: -20~80℃ Ambient temperature: -20~70℃ Relative humidity: 5%~90% Atmospheric pressure: 86-106KPa
Working Power Supply	A. External power supply: 24VDC, ripple ≤5%, suitable for 4~20mA output, pulse output, RS485, etc.
	B. Internal power supply: 1 set of 3.6VDC power supply, low power consumption design, continuous use for more than one year
Power Consumption	≤1W
Signal Output	Pulse signal, 4~20mA, RS485
Electrical Interface	Internal Thread M20*1.5 或 1/2NPT
Explosion-proof Grade	EXDIICT6
Protection Level	IP65

Flow Instrument - Vortex Flowmeter

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Product Feature

- The sensor has undergone high and low temperature resistance tests, and can withstand low temperatures of -90°C and high temperatures of 400°C ;
- The circuit part has been optimized to effectively filter out the vibration frequency caused by mechanical vibration;
- The sensor is isolated from the process, easy to install, constant instrument coefficient, high data repeatability, good mutual contrast between the converter and the sensor, and convenient and quick maintenance;
- The detection sensor does not directly contact the measured medium, and has a water hammer resistance and lightning protection design;
- The converter adopts advanced circuit design, and can adopt analog processing methods manually set on site and digital processing methods with adaptive functions, without zero drift, high accuracy, wide measurement range, and a commonly used range ratio of 8:1, with a maximum of 15:1;
- The shell is corrosion-resistant and dirt-resistant; After a long period of system experiments, it has been proved that its product performance is stable,
- long service life, high temperature resistance, and high reliability;

Flow Instrument - Vortex Flowmeter

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Technical Parameter

Nominal Diameter	DN15-300 (diameters larger than 300 can be made into plug-in type)
Accuracy Level	The accuracy of measuring gas is better than $\pm 1.5\%$; the accuracy of measuring liquid is better than $\pm 0.75\%$; the accuracy of insertion is better than $\pm 2.5\%$
Temperature Requirements	Medium temperature -40°C-350°C Ambient temperature -20°C-70°C
Body Material	304 material is used for routine measurement of slightly corrosive media, 316 material is used for corrosive or hygienic media
Sensor Material	304, 316L, special materials can be customized
Applicable Medium	Gas: air, oxygen, natural gas, liquefied gas and other gases; Liquid: water, light oil, liquefied petroleum, acid, alkali and other liquids; Steam: steam and superheated steam
Flow Rate Range	Gas: 5-50mm/s Liquid: 0.5-7m/s
Repeatability	Better than $\pm 0.3\%$
Pressure Level	1.6mpa、2.5mpa、4.0mpa、6.3mpa(Special Customization Available)
Protection Level	IP65 IP67
Explosion-proof Grade	ExdIICT6 SII2 Certification
Electrical Interface	M20X1.5 NPT1/2
Power Supply	24VDC 3.6VDC
Output Signal	Analog 4-20mA signal, pulse
Display	No display LCD display
Communication Protocol	RS485: HART protocol
Connection	Flange connection, flange clamp, plug-in connection, threaded connection, clamp connection
Structural Form	Split type integrated type

Flow Instrument - Rotating Vortex Flowmeter

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Product Feature



- The dual detection anti-seismic technology is adopted to effectively suppress vibration and pressure fluctuations as well as interference signals caused by pipeline vibration, and improve the strength of the detection signal.
- No mechanical moving parts, not easy to corrode, stable and reliable, long life, long-term operation without special maintenance
- Adopt 16-bit computer chip, integrate flow probe, microprocessor, pressure, temperature sensor in one, adopt built-in combination, can directly measure the flow, pressure and temperature of the fluid, and automatically track compensation and compression factor correction in real time
- Adopt Chinese character dot matrix display screen, can directly display the volume flow under working state, volume flow under standard state, total amount and medium pressure, temperature and other parameters
- Adopt EEPROM technology, easy to set parameters, can be permanently saved, and can save up to one year of historical data
- With the company's FM data collector, remote data transmission can be carried out through the Internet or telephone network. Pressure and temperature signals are sensor input methods, and interchangeability is strong

Flow Instrument - Rotating Vortex Flowmeter

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Technical Parameter

Standard Status Conditions	P=101.325KPa , T=293.15K
Conditions of Use	Ambient temperature: -30℃ ~ +65℃ Relative humidity: 5% ~ 95%;
	Medium temperature: -20℃ ~ +80℃ Atmospheric pressure: 86KPa ~ 106KPa
Electrical Performance Indicators	Working power supply: A. External power supply: +24VDC±15%; B. Internal power supply: 1 set of 3.6V lithium battery (ER26500);
	Power consumption of the whole machine: A. External power supply: <2W B. Internal power supply: average power consumption 1mW, can be used continuously for more than two years;
Pulse Output Mode	A. Working condition pulse signal, directly amplifies and outputs the working condition pulse signal detected by the flow sensor through optical coupling isolation
	B. Calibration pulse signal, matching with IC card valve controller
	C. Calibration pulse signal, amplified and output through optocoupler isolation, high level >20V, low level ≤1V
RS-485 Communication (Photoelectric Isolation)	Adopt RS-485 interface, can be directly connected to the host computer or secondary meter, remotely display the medium temperature, pressure and temperature, pressure compensation of standard volume flow and standard volume total
4~20mA Standard Current Signal (Photoelectric Isolation)	Proportional to the standard volume flow rate, 4mA corresponds to 0m ³ /h, 20mA corresponds to the maximum standard volume flow rate (this value can be set in the first-level menu) System: two-wire or three-wire, the flow meter can automatically identify the current module plugged in and output correctly
Control Signal Output	A. Upper and lower limit alarm signal (UP/LP): Optical isolation, high and low level alarm, alarm level can be set, working voltage +12V~+/-24V, maximum load current 50mA
	B. Valve closing alarm output (BC terminal, for IC card controller): logic gate circuit output, normally low level, amplitude ≤0.2V; alarm output high level, amplitude ≥2.8V, load resistance ≥100kΩ
	C. Battery undervoltage alarm output (BL terminal, for IC card controller): logic gate circuit output, normal output low level, amplitude ≤0.2V; alarm output high level, amplitude ≥2.8V, load resistance ≥100kΩ
Explosion Proof	ExdIIBT4
Protection Level	IP65



Product Feature

- Easy installation, simple maintenance, two-way detection, vibration proof, up to 24-point flow measurement, output analog calibration, multi-point nonlinear curve correction
- Wide range ratio 100:1
- Flow and temperature are detected simultaneously and displayed in switching mode
- Large-caliber small flow measurement, can be used for leak detection
- Proprietary technology "double balance structure" encapsulated sensor
Proprietary high humidity and high temperature algorithm, medium temperature can reach 300°C Direct mass flow detection, no need for temperature and pressure compensation

Technical Parameter

Measurable flow rate range	0.5-120Nm/s
Applicable pipe diameter range	DN10-DN2000
Applicable flow range	0-770000Nm3/h(DN2000 Air)
Applicable pressure range	<2Mpa <10Mpa
Sensor diameter	ψ 18
Sensor Material	1Cr18Ni9Ti, Hastelloy, Titanium, 316L, Aluminum, 304 Stainless Steel
Probe material (protection tube)	1Cr18Ni9Ti, 304 stainless steel, 316L
Transmitter housing material	Die-cast aluminum
power supply	AC220V AC110V DC18-32V
Output	Output four-wire 4-20mA、RS232、RS485、HART
On-site display	16 characters x 4 lines
Display Type	Split structure or integrated structure
Structural type	Insertion and pipeline
Protection level	IP65
Working conditions	Ambient temperature: -20~150℃ Relative humidity: 45%~75%
	Atmospheric pressure 86~106kpa
	Medium temperature 0~200℃; 0~300℃
	Accuracy level: ±1%, ±1.5%
	Warm-up time: ≤15S, response time ≤100ms



Product Feature

- Able to directly measure the mass flow of fluid (which is of great significance for energy metering and chemical reaction and other production process detection and control)
- High measurement accuracy (measurement accuracy can be guaranteed to be 0.1%-0.5%)
- Wide application range (in addition to normal fluid measurement, it can also measure industrial media that are difficult to measure with general fluid measurement instruments, such as non-Newtonian fluids, various slurries, suspensions, etc.)
- Not high installation requirements (no requirements for upstream and downstream straight pipe sections), reliable operation, low maintenance rate, etc.
- Composed of measuring tube, measuring tube drive device, position detector support structure, temperature sensor, shell, etc.

Flow Instrument - Cariolis Mass Flowmeter

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Technical Parameter

Scope of application	Suitable for measuring small mass flow of liquid, gas, liquid-solid and gas-solid
Measuring tube material	316L stainless steel or Hastelloy C alloy
Pressure level	PN1.6~4mpa, special customization
Medium temperature	-50℃~+150℃(Can be customized: Maximum temperature 350℃, minimum temperature -273℃)
Ambient temperature	Sensor: -40℃~+150℃ Transmitter: -20℃~+70℃
Flow measurement accuracy	± 0.2%、 ± 0.15%、 ± 0.1% Optional
Density measurement accuracy	± 0.002g/cm³
Repeatability	± 0.05%
Output signal	4~20mA Current Signal 0~10KHz Frequency Signal 485 communication signal HART protocol
Explosion-proof grade	EX d ib HCT6Gb
Protection level	Sensor IP67 Transmitter IP65
Power supply	DC power supply: 18-32V DC AC power supply: 110-260V AC
System power consumption	≤50W
Installation form	Split type, integrated type (transmitter and sensor are used together)
Nominal diameter	DN10~DN250

Flow Instrument - Orifice Plate Flowmeter

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Product Feature

- The standard throttling device is fully usable and has been approved by the International Standards Organization. It can be put into use without actual flow calibration. It is also the only one in the flow sensor.
- The structure is easy to replicate, simple, strong, stable and reliable, and low price
- Wide range of applications, including all single-phase fluids (liquid, gas, steam), some mixed-phase flows, pipe diameters and working conditions (temperature, pressure) of general production processes are all measured
- The detection parts and differential pressure indicating instruments can be produced by different manufacturers, which is convenient for specialized large-scale production.
- Can measure the flow of gas, steam, liquid and lead
- Widely used in process control and measurement in the fields of petroleum, chemical industry, metallurgy, electricity, heating, water supply, etc.
- Steam and liquid flow measurement. Simple structure, easy maintenance, stable performance

Technical Parameter

Nominal diameter	15mm≤DN≤1200mm
Nominal pressure	PN≤42MPa
Operating temperature	-50℃≤t≤560℃
Range Ratio	1:10 (when using a high-precision differential pressure transmitter) 1:3 (when using a normal differential pressure transmitter)



Flow Instrument - Annubar Flowmeter

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Technical Parameter

Size	DN50-DN5000 Plug-in :DN500-DN5000
Measurement Accuracy	$\pm 0.5\%$ 、 $\pm 0.2\%$
Repeatability	$\pm 0.1\%$
Range	Volume Flow : 10:1, 100:1 Mass Flow : 8:1
Work Pressure	Average velocity tube without lift function : $\leq 29.00\text{MPa}$ Average velocity tube can be pulled out: $\leq 10\text{MPa}$
Fluid Temperature	$\leq 450^{\circ}\text{C}$
Medium Viscosity	$\leq 30\text{CP}$ (Equivalent to heavy oil)
Host Material	Sensor, three-valve group: 316L stainless steel, alloy steel, Hastelloy, Monel and other materials are optional
Accessory Material	Flange: 316L stainless steel or carbon steel, alloy steel, Hastelloy, Monel and other materials are optional

Product Feature

- Annubar flowmeter is an ideal product to replace orifice plate due to its easy installation, small pressure loss, high strength, no wear and tear, no leakage and other characteristics.
- It can be widely used in the flow measurement of blast furnace gas, compressed air, steam and other liquids and gases in industrial and mining enterprises.
- The unique internal secondary averaging structure provides high accuracy (reading $\pm 1\%$) and high repeatability ($\pm 0.1\%$). The outer impact tube is made of a whole piece of material without welding. Compared with similar products welded by double-body structure, it naturally has the highest strength and is also convenient for selecting high temperature and corrosion resistant materials.
- The honeycomb hexagonal stable structure produces a unique flow distribution shape, which ensures the stability of low-pressure signals, generates a higher differential pressure than similar products, and improves the range ratio.
- It is suitable for square or rectangular pipes, has no flow coefficient drift, and is stable for a long time.
- For the inevitable blockage problem of similar products when measuring dirty media, there are online removable types or manual and automatic purge solutions and devices to achieve non-stop maintenance.
- The average velocity tube + three-valve group + temperature and pressure compensation + transmitter form an integrated structure and are easy to use.



Product Feature

- Wide range: According to different specifications, the highest range can reach 1:216
- Low starting flow: According to different specifications, the lowest starting flow can reach 0.04m³/h
- High precision and high repeatability: Long-term accuracy is not affected by the medium, and the accuracy is stable in long-term operation
- Low pressure loss: According to different specifications, the pressure loss is 0.08kPa-0.58kPa
- High integration and low power consumption: Using advanced microcomputer technology and high-performance integrated chips, the whole machine has powerful functions and superior performance
- Compact structure: Pressure sensor, temperature sensor, flow sensor are all built-in, making the structure more compact
- Digital temperature sensor and digital pressure sensor are configured, calibrated and verified separately, and easy to replace, maintain and use.
- With complete data storage function and GPRS real-time management system.



Flow Instrument - Gas Roots Flowmeter

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Technical Parameter

Accuracy Level	Grade 1.0 : $Q_{\max}-0.2Q_{\max}$ $\pm 1.0\%$ $0.2 Q_{\max}-Q_{\min}$ $\pm 2.0\%$
	Grade 1.5 : $Q_{\max}-0.2Q_{\max}$ $\pm 1.5\%$ $0.2 Q_{\max}-Q_{\min}$ $\pm 3.0\%$
Standard Status Conditions	P=101.325 kPa T= 293.15K
Conditions of Use	a. Ambient Temperature : - 25°C~ 80°C b. Medium Temperature : - 20°C~ 60°C
	c. Relative Humidity : 5% ~ 95% d. Atmospheric Pressure : 86KPa ~ 106Kpa
	e. Operating Pressure : $\leq 400\text{KPa}$
Pulse Output Mode	1. Base meter pulse signal: used for instrument calibration
	2. Corrected working condition pulse signal (or standard volume flow)
	3. Calibration pulse signal (for IC card controller input)
Current Output	4 ~ 20mA standard analog current output function
Output Format	Two-wire or three-wire
RS485 Communication	The built-in RS485 standard interface can be connected to a host computer such as a personal computer and a PLC for serial communication. It can display medium pressure, temperature, instantaneous flow, accumulated standard flow, battery voltage, etc.

Temperature Instrument - Thermistor

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Technical Parameter

Temperature Measurement Range and Tolerance				
Model	Graduation No.	Temperature measurement range	Accuracy Level	Permissible Deviation
WZP	Pt100	-200 ~ 500	Level A	$\pm (0.15+0.0021t)$
			Level B	$\pm (0.30+0.005)$
WZC	Cu50 Cu100	-50~100	/	$\pm (0.30+0.0061)$

Models and Specifications					
Product Name	Model	Graduation No.	Measured Range	Size	
Single Platinum Thermal Resistance	WZP-101	Pt100	-200~500	φ3 φ4 φ5 φ6	310
Double Platinum Thermal Resistance	WZP2-101				360
					410
					460
					510
					560

Product Feature

The assembled thermal resistor measures the temperature by using the characteristic that the resistance of a material changes when the temperature changes. When the resistance value changes, the working instrument will display the temperature value corresponding to the resistance value.

It is usually used in conjunction with display instruments, recording instruments, electronic computers, etc. It directly measures the temperature of liquid, steam and gas media and round body surfaces within the range of -200°C~500°C in various production processes.

- Compression spring type temperature sensing element, good vibration resistance
- No need for compensation wire, saving cost
- High measurement accuracy
- High mechanical strength, good pressure resistance
- Imported floating film resistor element, reliable and stable performance



Temperature Instrument - Thermocouple

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Product Feature

The electrodes of the armored thermocouple are made of two different conductor materials. When there is a temperature difference between the measuring end and the reference end, a thermoelectric potential will be generated, and the working instrument will display the temperature value corresponding to the thermoelectric potential.

- Short thermal response time, reducing dynamic error
- Can be bent for installation
- Large measuring range
- High mechanical strength, good pressure resistance

Technical Parameter

Model	Graduation No.	Tolerance Level			
		I		II	
		Tolerance	Temperature measurement range °C	Tolerance	Temperature measurement range °C
WRNK	K	±1.5°C	-40~375	±2.5°C	-40~333
		±0.004 t	375~1000	±0.0075 t	333~1200
WRMK	N	±1.5°C	-40~375	±2.5°C	-40~333
		±0.004 t	375~1000	±0.0075 t	333~1200
WREK	E	±1.5°C	-40~+375	±2.5°C	-40~333
		±0.004 t	375~800	±0.0075 t	333~900
WRFK	J	±1.5°C	-40~375	±2.5°C	-40~333
		±0.004 t	375~750	±0.0075 t	333~750
WRCK	T	±1.5°C	-40~125	±1°C	-40~333
		±0.004 t	125~350	±0.0075 t	133~350
WRCK	S	±1°C	0~1100	±1.5°C	0~600
		±[0.003(t-1100)]	1100~1600	±0.0025 t	600~1600

Temperature Instrument - Bimetallic Thermometer

Asmke

Product Feature

Bimetallic thermometer is a field detection instrument for measuring medium and low temperatures. It can directly measure the temperature of liquid, steam and gas medium in the range of -80°C~500°C in various production processes.

- On-site temperature display, intuitive and convenient
- Accuracy level: 1.0/1.5
- Safe and reliable, long service life
- Various structural forms to meet different requirements

Technical Parameter

W	S	S	Nominal diameter of dial	Structural form	Installation	Protection form
Temperature Instrument	Metal expansion sheet	Bimetallic Strip	3 φ60 4 φ100 5 φ150	0 Axial type (straight type) 1 Radial type (angle type) 2135° (obtuse angle type) 5 Shrink fit axial type 6 Shrink fit radial type 7 Shrink fit universal type 8 Universal type (adjustable angle type)	0 No fixing device 1 Movable external thread 2 Movable internal thread 3 Fixed thread 4 Fixed flange 5 ferrule thread 6 ferrule flange	None (not marked) Ordinary type W Protective type F Anti-corrosion type



Pressure Instrument - Pressure Transmitter

Asmke



Technical Parameter

Accuracy	0.1% , 0.2% , 0.25% , 0.5%.
Dead Zone	None (≤0.1%)
Stability	The absolute value of the basic error of the maximum range shall not exceed within six months
Vibration Impact	In any axis direction, when the vibration frequency is 200Hz, the error is +0.05%/g of the upper limit of the measuring range
Power supply impact	Less than 0.005%/V of output range
Load influence	If the power supply is stable, the load will not be affected
Objects of use	Liquids, gases and vapors
Measuring range	0-0.1kPa to 0-40MPa
Output signal	4-20mA DC (specially can be four-wire 220V AC power supply 0-10mA DC output)
Power supply	12-45V DC. Typically 24V DC
Instruction table	Pointer linear indicator 0~100% scale and LCD display
Range and zero point	Externally continuously adjustable
Temperature range	Amplifier operating temperature range: -29~+93℃ (LT type: -25~70℃)
	Measuring element filled with silicone oil: -40~104℃
	When the flange type transmitter is filled with high temperature silicone oil: +15~315℃ Ordinary silicone oil: -40~149℃
Static Pressure	4、 10、 25、 32MPa
Volumetric absorption	<0.16cm3
Damping (step response)	When filled with silicone oil, it is generally continuously adjustable between 0.2S and 1.67S

Product Feature

- Imported key parts, stable performance, reliable quality, and moderate price. Adjustable damping (electrical damping is 0-6S)
- Minimum loop resistance required for communication is 250Ω. Full range of specifications: range from 0~125Pa to 0~40MPa, optional
- Positive and negative migration: 500% positive migration, 600% negative migration
- Output signal: two-wire 24VDC power supply, 4-20mADC output (can also be four-wire 220VAC power supply, 0-10mADC output)
- Explosion-proof: intrinsically safe type IallCT6, flameproof type dIIBT4
- Good pressure resistance: general pressure resistance 14MPa. High static pressure resistance 32MPa
- Corrosion resistance: corrosion-resistant transmitters made of 316L, monel, Hastelloy, tantalum and other materials can be provided

Pressure Instrument - Single/ Double Flange Pressure Transmitter

Asmke

Product Feature

- Imported key parts, stable performance, reliable quality, and moderate price. Adjustable damping (electrical damping is 0-6S)
- Minimum loop resistance required for communication is 250Ω. Full range of specifications: range from 0~125Pa to 0~40MPa, optional
- Positive and negative migration: 500% positive migration, 600% negative migration
- Output signal: two-wire 24VDC power supply, 4-20mA DC output (can also be four-wire 220V AC power supply, 0-10mA DC output)
- Explosion-proof: intrinsically safe type iaIICT6, flameproof type dIIBT4
- Good pressure resistance: general pressure resistance 14MPa. High static pressure resistance 32MPa
- Corrosion resistance: corrosion-resistant transmitters made of 316L, monel, hastelloy, tantalum and other materials can be provided



Technical Parameter

Range	0~0.02..10MPa
Pressure Type	Gauge pressure, absolute pressure
Power supply	24VDC、12VDC
Output signal	4~20mA、1~5V、0~5V
Compensation temperature	-10~70℃
Ambient temperature	-20~85℃
Medium temperature	-40~125℃
Zero temperature drift	±1.5%FS(Max.)
Sensitivity temperature drift	±1.5%FS(Max.)
Overload pressure	150%FS
Mechanical vibration	20g(20~5000Hz)
Shock	100g(11ms)
Comprehensive accuracy	0.1, 0.3, 0.5 levels available
Long-term stability	±0.2%FS/ year
Response time	≤1ms (rising to 90%FS)
insulation	100M2/250V DC
Material	Housing: low copper aluminum alloy Diaphragm: 316L
Media compatibility	Wide range of media compatible with 316L stainless steel
Protection level	IP65

Pressure Instrument - Pressure Gauge

Asmke



Product Feature

Pressure gauges are mainly used to measure medium pressure in the production process of petroleum, chemical industry, power plant, metallurgy, alkali, chemical fiber, dyeing, pharmaceutical, food, and other industrial sectors.

The overall structural design of this series of instruments is reasonable, the process is exquisite, and it has high measurement accuracy and lasting stability.

Technical Parameter

Accuracy Level	General Pressure Gauge Measurement Range (MPa)	Measuring Range of Diaphragm Pressure Gauge (KPa)
0.4	0~0.06	0~1.6
	0~0.1	0~2.5
	0~0.16	0~4
	0~0.25	0~6
	0~0.4	0~10
	0~0.6	0~16
	0~1	0~25
	0~1.6	-1.6~0
	0~2.5	-2.5~0
	0~4	-4~0
	0~6	-6~0
1.0	0~10	-10~0
	0~16	-16~0
1.5	0~25	-25~0
	0~40	-40~0
2.5	0~60	-0.8~0.8
	0~100	-1.2~1.2
	-0.1~0.06	-2~2
	-0.1~0.15	-3~3
	-0.1~0.3	-5~5
	-0.1~0.5	-8~8
	-0.1~0.9	-12~12
	-0.1~1.5	-20~20
	-0.1~2.4	
	-0.1~0	

Level Instrument- Magnetic Flap Level Gauge

Asmke



Technical Parameter

Measuring Range	300~15000mm
Accuracy	±10mm , ±16mm
Diameter of Turning Column	10mm.16mm
Work Pressure	≤2.5MPa (2.5MPa and above can be designed separately) Anti-corrosion type ≤1.0MPa
Operating Temperature	-90℃~480℃
Medium Density	≥0.45g/cm3
Dielectric Density Difference	≥0.15g/m3(measurement interface)
Medium Temperature	-20~250℃
Medium Viscosity	≤0.4Pa·S For media with high viscosity or media that are easy to crystallize at low temperatures, a heated jacketed level gauge can be selected according to user requirements.
Connection Flange	connection flange size: DN20.PN1.0 (metric pipe)
Technical Requirements	1. For media that are prone to solidification at high viscosity or low temperature, a heating jacket type liquid level gauge can be selected.
	2. When the order length of the side-mounted level gauge is >4000mm, a support flange is added in the middle.
	3. Bottom-mounted or top-mounted level gauge connection flange >80mm
	Note: Special requirements can be specified when ordering

Product Feature

- Suitable for level measurement of liquid media in containers. In addition to on-site display, it can also be equipped with remote transmitters, liquid level controllers and other functions.
- The display is intuitive and eye-catching, and the display direction can be changed according to user requirements.
- The measurement range is large and is not limited by the height of the container.
- The display component is completely isolated from the measured medium, so the sealing is good.
- Simple structure, easy installation and simple maintenance.
- Corrosion-resistant and explosion-proof.

Level Instrument- Radar Level Gauge

Asmke



Product Feature

- Millimeter-wave radar, with a measurement accuracy of up to $\pm 2\text{mm}$ and a minimum blind area of 0.05m.
- A variety of lens antennas, smaller emission angles, more concentrated energy, stronger echo signals, and higher reliability than other radar products under the same working conditions.
- It has stronger penetration and can be used normally even with adhesion and condensation.
- The dynamic signal range is larger, and the measurement of low dielectric constant media is more stable.
- The millimeter-wave radar adopts FMCW mode, non-contact design, small size, low power consumption, and strong anti-interference ability.
- The whole set of equipment does not need to be powered separately or connected to cables, can be powered by itself, and has strong adaptability.
- Data does not need to be collected on-site by personnel, and can be viewed and set remotely.
- Abnormal detection data will be notified to supervisors in time to avoid losses.

Technical Parameter

Measuring Medium	Liquid Non-corrosive
Measuring Range	0.05m~30m
Process Connection	G11/2A / 11/2 NPT Thread
Process temperature	-40~130℃
Process pressure	-90℃~480℃
Antenna size	34.5mm Lens Antenna
Antenna Material	PTFE
Accuracy	$\pm 1\text{mm}$
Protection level	IP67
Center frequency	80GHz
Emission Angle	7°
outer covering	Aluminum / Plastic / Stainless steel
Signal output	Two-wire / 4~20mA / HART protocol Four-wire 4~20mA / RS485 Modbus

Level Instrument- Ultrasonic Level Gauge

Asmke



Technical Parameter

Measuring range	0 ~ 15m(Selected according to the actual measurement range)
Blind Spot	0.45m ~ 0.6m
Distance measurement accuracy	±0.25-5%(Standard conditions)
Distance measurement resolution	1mm
pressure	Normal pressure
Instrument Display	Built-in LCD display
Analog Output	4 ~ 20mA
Supply voltage	DC24V
Ambient temperature	-20°C ~ +60°C
Protection level	IP65

Product Feature

- Non-contact measurement: Ultrasonic level meters do not need to be in direct contact with the measured medium, which can avoid the risk of the sensor being eroded or contaminated by the medium and reduce the workload of maintenance.
- Long-distance detection: Ultrasonic level meters can achieve long-distance detection and maintain high accuracy. They are suitable for liquid level detection in large storage tanks, deep wells and tall equipment.
- Fast response: With the characteristics of fast response, it can monitor the current medium level in real time and is suitable for control systems with high real-time requirements.
- Multi-media applicability: Ultrasonic level meters can be widely used in liquids with different density, viscosity, color and other characteristics, including water, petroleum, chemicals, food, etc., and can provide accurate and reliable measurement results.
- Easy to install and maintain: It has a simple and easy installation process, does not require frequent maintenance during use, has a compact and simple structure, and does not require regular calibration.

Level Instrument- RF Admittance Level Gauge

Asmke



Product Feature

- Simple calibration: Calibration can be automatically completed at one time using any two-point bin height.
- Strong adaptability: The special impact-resistant and wear-resistant probe sheath material can work reliably in high temperature, high pressure, strong corrosion, strong adhesion, strong impact, strong wear, and dusty environment.
- No maintenance required: Since the sensor has a simple structure and no moving parts, it does not require maintenance once it is put into operation.
- LCD display: LCD display is used, and the display content is rich and comprehensive.
- No drift: There will be no drift due to changes in the temperature or density of the medium.
- Reliable life: The unique technology ensures that the instrument has a service life of up to 15 years.
- Wide application: Liquid, solid, interface mixture, and materials can be used.

Technical Parameter

Power supply	220V AC 50Hz or 24V DC (24V DC is recommended)
Relay contacts	2 sets of SPDT, 5A 220VAC;
Material	Sensor rod: SUS304/316
	Insulation sheath: PP or Teflon
Sensitivity	0.5pf~750pf
Operating temperature	Probe operating temperature range: -184℃ ~ 260℃
	Circuit part temperature resistance: -40℃ ~ 80℃
Connection thread	G1" 、 1" NPT or 1" PF
Delay time	0~30s adjustable
Temperature range	Controller ambient temperature: -30 ~ 60℃
Sensor electrical box operating temperature	- 30 ~ 70℃
Sensor probe operating temperature	- 150 ~ 240℃
Humidity range	Relative humidity: 0 ~ 90%
Damping	The time constant is adjustable between 0 and 20 seconds in 1 second increments.
Transmission distance	The maximum distance of signal transmission between sensors and control instruments can reach 1000m
Application	Under high temperature, high pressure, flammable, explosive, toxic, corrosive and other working conditions, for liquids, slurries, powders, particles, blocks and other materials. Two-phase liquid interface measurement: such as oil-water interface, etc.

Level Instrument- Single/Double Flange Liquid Level Gauge

Asmke



Product Feature

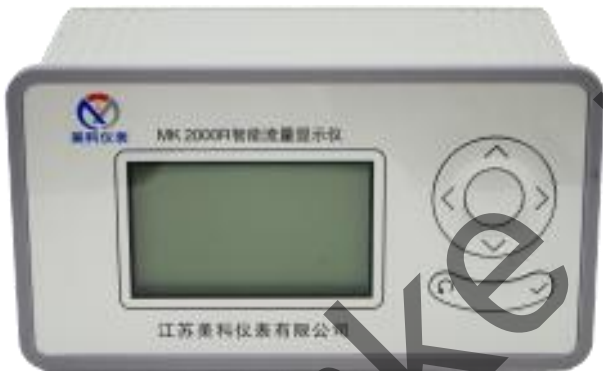
- Simple installation, easy to use, strong interchangeability.
- High-quality sensors have high sensitivity, fast response speed, accurately reflect subtle changes in flowing or static liquid levels, and high measurement accuracy.
- With intrinsically safe explosion-proof and isolated explosion-proof capabilities, it can be used in various hazardous places.
- Anti-blocking design is available to measure the level of paste media.
- 100% equal division scale, LED, LCD three indicator heads, on-site reading is very convenient.
- 4-20mA DC two-wire signal transmission, strong anti-interference ability, long transmission distance.
- Fine and unique zero point, full range, nonlinear compensation to ensure the accuracy within the range of instrument use conditions, good long-term stability.
- The pressure sensor directly senses the pressure of the measured liquid level and is not affected by the bubbling and deposition of the medium.
- It can be used with a wide range of measured media, and can measure oil, water and pastes compatible with 316 stainless steel, with a certain anti-corrosion ability.

Technical Parameter

Accuracy	0.25%F·S ; 0.5%F·S
Measuring range	0~1~150(m)
Storage temperature	-40℃~100℃
Operating temperature	0℃~70℃
Temperature Effect	<0.02%/℃
humidity	≤95%RH
On-site display	0~100% scale 3 1/2 LED 3 1/2 LCD
Load Capacity	≤750Ω
Gas cable material	φ8 PTFE, φ8 PVC
Output	Two-wire 4~20mA DC
Applicable medium	Fluids and liquids compatible with 316 stainless steelf
Zero temperature coefficient	< 0.02%/℃
Full scale temperature coefficient	< 0.02%/℃
Structural Materials	Isolation diaphragm: 316 stainless steel corrugated diaphragm
	Sensor Outer Covering: 1Gr18Ni9Ti stainless steel
Relay Box	97x84x147 Epoxy spray

Digital Display- Flow Totalizer

Asmke



Product Feature

- Square root and small signal cut-off. 8 compensation points and parameters.
- 4-digit instantaneous flow value display and 6-digit or 9-digit cumulative flow value display.
- When frequency input, flow accumulation and instantaneous flow display can be performed for ultra-low frequency.
- Flow accumulation value can be cleared and cumulative flow value can be reset to zero.
- Programmable quantitative accumulation flow, batch and quantitative control.
- Output of instantaneous and cumulative flow control can be performed.
- Two flow signals can be synthesized according to the ratio to display instantaneous flow and accumulate flow, and two analog outputs can be selected at the same time. Dual flow accumulation control, dual analog quantity transmission. Batch and quantitative control can be performed.
- After the instrument is powered off, the parameters and cumulative flow values can be permanently saved.
- RS485 asynchronous serial communication mode with multiple hosts, single hosts, and no hosts can be provided. Communication data verification complies with CRC-16 American data communication standard, high reliability cycle, barcode verification.

Technical Parameter

Input signal	Standard linear signal, Pt100 thermal resistor, frequency signal.
Transmitter output	0~10mA or 4~20mA
	With DC current (0~10mA, 4~20mA)
Input method	With DC voltage (0~5V, 1~5V, 0~75mV, 0~200mV)
	Frequency input
Traffic mode	The main input signal and the instantaneous flow are proportional; the main input signal and the instantaneous flow are square root.
	The input signal is proportional to the instantaneous flow rate, with small signal cut-off function
	The main input signal and instantaneous flow are square rooted, with small signal removal function
Adjustment method	Normal flow mode, without temperature or pressure compensation
	Saturated steam uses voltage or current signal as pressure compensation method
	Saturated steam uses voltage or current signal as temperature compensation method
	Saturated steam uses Pt100 thermal resistor as temperature compensation method
	Superheated steam uses voltage or current signal for temperature and pressure compensation
	The superheated steam uses voltage or current signal for pressure compensation and R100 thermal resistor for temperature compensation.
	Does not include temperature and pressure compensation, has display conversion coefficient setting
	< 0.02%/°C
External 24V DC power supply	Without 24V DC power output; With 24V DC power output (can be used as a two-wire transmitter power supply)
Communication interface	Without communication interface, with RS485 or RS232 communication interface
Power supply	220V AC, switching power supply 85~260V AC, switching power supply 18~36V DC or 18~36V AC

Digital Display- PID Controller

Asmke

Technical Parameter

Input method	With thermocouple (E, K, S, B, J, T, R, N)
	Thermal resistors (Pt100, Cu50, Cu100, BA1, BA2, G)
	With DC current (0~10mA, 4~20mA)
	With DC voltage (0~5V, 1-5V, 0~20mV, 0~75mV, 0~200mV)
	Equipped with remote pressure resistance and linear resistance (0~400Ω)
	Frequency input (0~10KHz)
	Special input (such as square root, small signal cut-off, please specify when ordering)
Transmitter output	No delivery output, delivery output 0~10mA, delivery output 4~20mA
	Transmitter output 0~5V, Transmitter output 1~5V, Special signal transmission output
Timing function	Without timing function, With timing function
Communication interface	Without 24V DC power output, with 24V DC power output (can be used as a two-wire transmitter power supply)
External 24v DC power supply	Without communication interface, with RS485 or RS232 communication interface
Power supply	220V AC, switching power supply 85~260V AC, switching power supply 18~36V DC or 18~36V AC
Continuous PID mode	PID4~20mA output (reverse action), PID0~10mA output (reverse action), PID0~5V output (reverse action)
	PID1~5V output (reverse action), PID0~10V output (reverse action)
	Direct action (One of 1-5, please specify when ordering) One of 1~6 + relay (please specify the type and quantity of relay when ordering)
Intermittent PID mode	Built-in thyristor (bidirectional 41A, within 2KW) output
	Built-in thyristor (bidirectional 41A, within 2KW) output (can add 2 or 3 relays, please specify when ordering)
	External thyristor (single or double silicon), External thyristor (single or double silicon) (can add 2 or 3 relays, please specify when ordering)
	Adopt three-phase zero interpolation method to trigger thyristor (trigger current up to 500mA or more)
	Three-phase zero-crossing thyristor trigger plus 1 or 2 relays (specify when ordering)
	SSR group relay output (12V) plus 2 relay alarms (SSB technical parameters provided by user)

Product Feature

- Various analog inputs or frequency inputs.
- Process quantity, given value, and control quantity triple display.
- PID regulator positive and negative action selection, manual and automatic bidirectional disturbance-free bidirectional switching.
- When there is a resistance break, a couple break, or a line break, the analog output of the control quantity and process quantity can be selected as 0%, 100% or the upper limit value, the lower limit value.
- Tracking the zero point and full scale of the input signal can be calibrated.
- Intelligent sound and light alarm, dual timer or counter function.
- Square root and small signal removal can be performed.
- Valve position feedback signal can be selected arbitrarily (various analog inputs).
- External given value input (EM2 function) can be realized



Digital Display- Digital Display Meter

Asmke



Technical Parameter

Pressure range	0-0.1...0.6...1.6...2.5...10...25...40...60...160MPa
Overload capacity	150%
Accuracy level	1.0%
Power Supply	24VDC, 220VAC, 380VAV optional (please refer to product logo for details)
Alarm point setting	Full range can be set arbitrarily
Output signal	Relay switch signal
Load Capacity	380V 3A 220V 5A 24V 5A
Sampling rate	5 times/second
Operating temperature	-20℃~80℃
Measuring medium	304 Stainless Steel Compatible Media
Wiring protection	Reverse polarity and short circuit protection
Mounting interface	M20*1.5 G1/2 G1/4
Outlet definition	Power line: red and black Output line: blue and white

Product Feature

- Various analog inputs or frequency inputs.
- Process quantity, given value, and control quantity triple display.
- PID regulator positive and negative action selection, manual and automatic bidirectional disturbance-free bidirectional switching.
- When there is a resistance break, a couple break, or a line break, the analog output of the control quantity and process quantity can be selected as 0%, 100% or the upper limit value, the lower limit value.
- Tracking the zero point and full scale of the input signal can be calibrated. Intelligent sound and light alarm, dual timer or counter function. Square root and small signal removal can be performed.
- Valve position feedback signal can be selected arbitrarily (various analog inputs). External given value input can be realized (EM2 function)

ValveG& Cable- Pneumatic Control Valve

Asmke



Product Feature

- It is a right-angle rotary structure, consisting of a V-type valve body, a pneumatic actuator, a positioner and other accessories;
- It has an inherent flow characteristic that is approximately equal to 100%;
- It adopts a double-bearing structure, has a small starting torque, and has good sensitivity and induction speed; Super strong shearing ability.
- It is suitable for various adjustment occasions, with a large rated flow coefficient, a large adjustable ratio, good sealing effect, sensitive adjustment performance, small size, and can be installed vertically or horizontally.
- It is suitable for controlling media such as gas, steam, and liquid.
- It is simple to control, fast to respond, and inherently safe, and no additional explosion-proof measures are required.
- The pneumatic control valve uses compressed air as the power to achieve switch quantity or proportional adjustment. The source uses a cylinder as an actuator and receives the control signal of the industrial automation control system to complete the adjustment of various process parameters such as flow, pressure, and temperature of the pipeline medium.

Technical Parameter

Nominal diameter	DN15~300
Nominal pressure	1.6~6.4Mpa (if high pressure working conditions are required, it can also be designed and manufactured)
Valve body material	Carbon steel (C), Stainless steel 304 (P), Stainless steel 316 (R)
Sealing material	PTFE (F), Metal seal (H), Carbide (Y)
Medium temperature	W2 : -20~150℃, W3 : -20~250℃, W4 : -29~425℃
Connection	Flange, internal thread, butt welding
Valve core type	Single seat (P) Sleeve (M)
Control accuracy	0.3%~1%
Input signal	4~20mA、 0~10V、 1~5V
Flow characteristics	Equal percentage characteristic, equal linear characteristic, quick opening characteristic
Pneumatic Actuators	ZHA series, ZHB series, imported actuator series
Control method	Single acting normally closed, single acting normally open
route (mm)	10、 16、 25、 40、 60、 100
Remark	Other special sealing materials or special temperatures can also be designed and selected according to customer requirements

ValveG& Cable- Pneumatic Switch Ball Valve

Asmke



Product Feature

- Used in automated process lines as an emergency shut-off device on pipelines in liquid and gas (including corrosive) working environments, its actuator is pneumatically controlled.
- The top-mounted structure reduces the connecting bolts of the valve body itself under high pressure and large diameter conditions, enhances the reliability of the valve and overcomes the influence of the system's deadweight on the normal operation of the valve.
- The materials are carefully selected and meet relevant domestic and foreign standards, with reasonable structure and beautiful appearance.
- The valve disc and valve seat sealing surface are made of iron-based alloy surfacing or Stellite cobalt-based hard alloy surfacing, which has good wear resistance, high temperature resistance, corrosion resistance, and abrasion resistance, and long service life.
- The valve stem is tempered and surface nitrided, with good corrosion resistance and abrasion resistance;
- Various piping flange standards and flange sealing surface types can be used to meet various engineering needs and user requirements.
- The inverted seal is made of threaded connection sealing seat or body surfacing austenitic stainless steel, with reliable sealing, and the replacement of packing can be carried out without stopping the machine, which is convenient and fast and does not affect the operation of the system.

Technical Parameter

Work Pressure	1.6, 2.5, 4.0, 6.3, 10.0 MPa, also available in Class 150 LB and 300 LB
Temperature range	-60°C to 160°C
Carbon steel material	-40°C to 160°C(Higher temperature ranges are possible based on the choice of sealing material)
Explosion-proof	(Ex)-40°C to 60°C
Diameter range	DN15 to DN200
Service life	Average 8000 cycles
Rotation Angle	Locking ball rotation angle 90 degrees (±3 degrees)
Scope of application	Gas distribution pipelines, gas combustion equipment, automatic fire extinguishing systems, boiler rooms and heating stations, compressors and pumping stations, air conditioning and ventilation, and technical routes of industrial enterprises.

Product Feature

It is suitable for transmitting electric energy in power lines with rated voltage of 0.6/1kV and below. The product has strong electromagnetic interference, lightning resistance, balanced potential, and improved power supply quality. It is especially suitable for computer centers, aerospace monitoring centers, intelligent buildings and other places with precision electronic devices.



model		Number of cores	Nominal cross section(mm ²)
copper	aluminum		
VVP YJVP	VLVP YJLVP	1	4~300
VVP VV22P YJVP YJV22P	VLVP VLV22P YJLVP YJLV22P	2	4~185
		3	4~300
		3+1	
		4	4~185

Conditions of use

1. The maximum long-term allowable operating temperature of the conductor: 70°C for polyvinyl chloride insulation; 90°C for cross-linked polyethylene insulation.
2. When the cable is short-circuited (the longest duration does not exceed 5S), the maximum temperature of the conductor does not exceed: 160°C for polyvinyl chloride insulation; 250°C for cross-linked polyethylene insulation.
3. The ambient temperature during laying should not be lower than 0°C.
4. The allowable bending radius of the cable is: not less than 20 times the outer diameter of the cable for single-core cable; not less than 15 times the outer diameter of the cable for multi-core cable.

Project Case

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Project Case

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