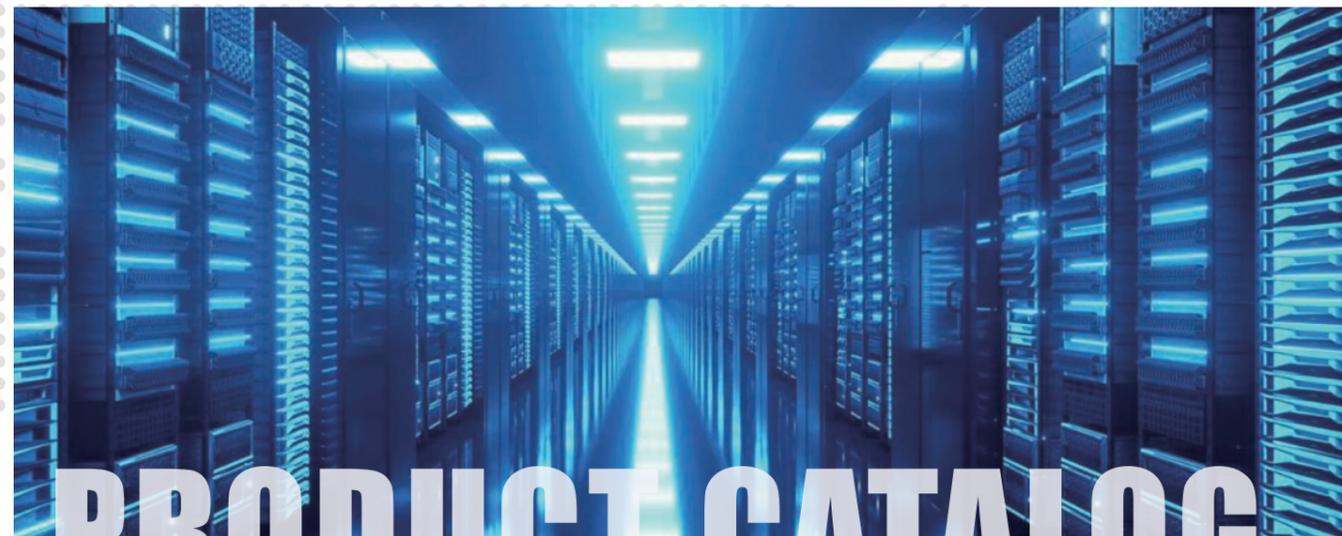




MAI SHIH INSTRUMENT CO., LTD.



PRODUCT CATALOG



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Member of SN Registrars (Holdings) Ltd

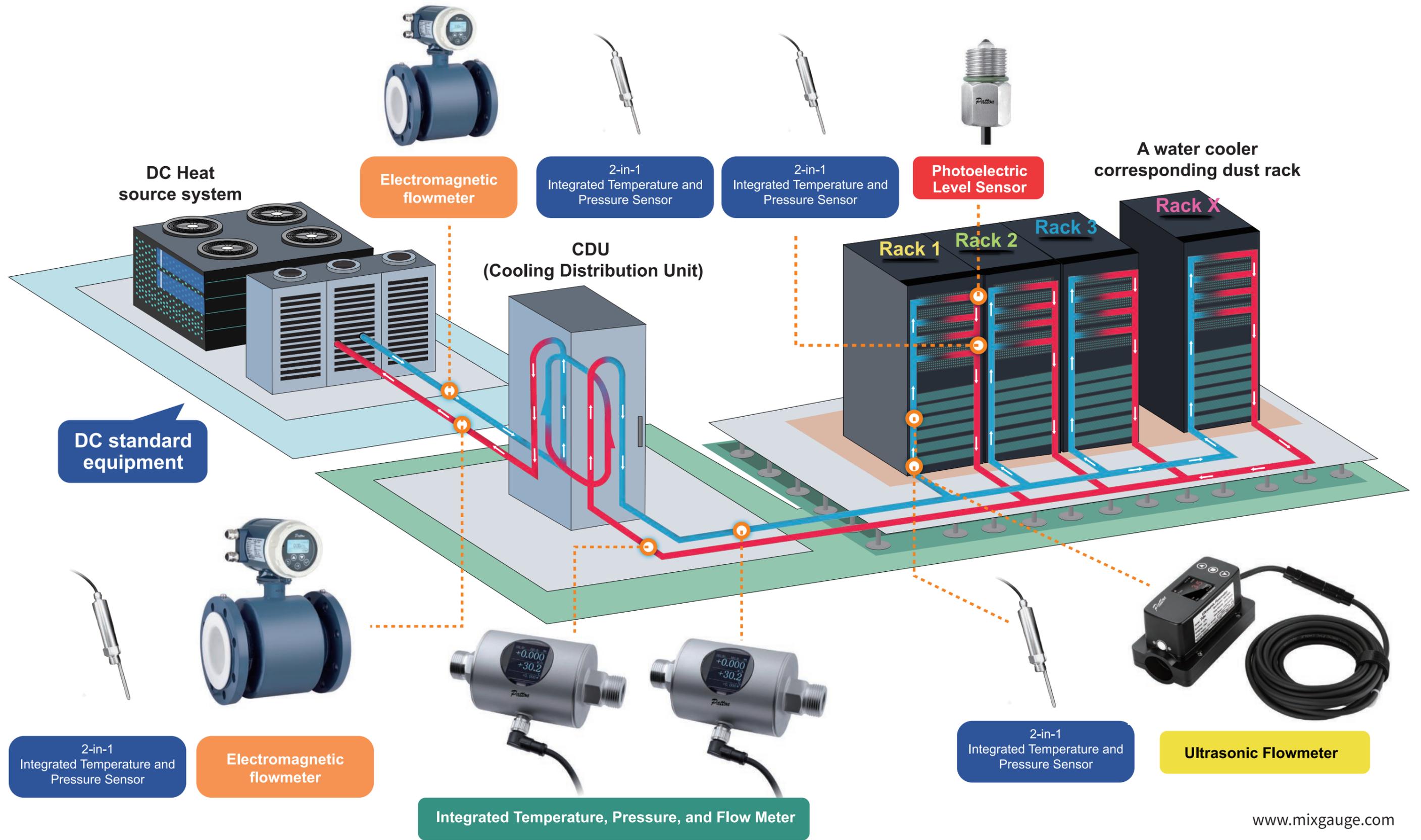


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PRODUCT PORTFOLIO

www.mixgauge.com

AI-DRIVEN LIQUID COOLING MONITORING & MANAGEMENT SOLUTION



UF200/UF200RO

Clip-on Ultrasonic Flowmeter

- 
 RS485
- 
 OCT Pulse&Relay
- 
 4~20mA



Introduction:

Patton UF200/UF200RO clip-on ultrasonic flowmeter adopts the measurement principle of ultrasonic transit-time method, is combined with Gentos' ultrasonic flow algorithm technology. Easy to install and monitoring water flow conveniently.

Flow Velocity	0.1ft/s~16ft/s (0.03~5.0m/s)
Pipe Size	DN20, DN25, DN32, DN40, DN50,
Accuracy	±1%, (1.0f/s~16ft/s)
Repeatability	0.20%
Application	Modern Agricultural Irrigation, Garden Irrigation Seawater Desalination, Desalination Technology Residential Water, Washing Industries, HVAC
Pipe Material	Carbon Steel/ Stainless Steel/ Copper/ PVC (one pipe type/model)
IO	Communication Interface: RS485, Support Protocol And MODBUS Protocol, 4~20mA
Power Supply	10~36VDC/500mA
Temperature	Transmitter: 14 °F to 122 °F (-10°C ~ 50°C) Transducer: 32 °F to 140 °F (0°C~ 60°C)
IP Rating	IP54
Transducer Cable	05 six core cable, standard length: 2m
Clamp material	Aluminum alloy: PC (Polycarbonate) engineering plastic

ELS16

Integrated Temperature, Pressure, and Flow Meter



Logo	Meaning	
Implementation Standards	Electromagnetic flow sensor (IEC 61869)	
Verification procedures	Electromagnetic flowmeter (OIML R 49)	
Measured fluid	Conductive liquid (conductivity not less than 2.0uS/cm)	
Flow meter lining	Polyetheretherketone (PEEK) lining	
Flow meter diameter	DN6~DN65	
pressure	-0.1MPa~4.0MPa (without pressure sensor)	
Electrode material	HC,316L	
Body material	304,316L	
Pipeline interface	Thread, sanitary joint, flange; other interfaces can be customized as required	
Measurement accuracy	Flow rate: ±0.5%, temperature: ±0.5°C, pressure: ±8kPa	
Pressure and temperature ran	(0~1.6)MPa, (-40~+120)°C (range can be set)	
Output signal	(4~20)mA (maximum load 5000)	
Communication Protocol	IO-Link, RS-485(MODBUS-RTU)	
Turndown ratio	1:150	
Power supply	DC(18~36)V	
Electrical connections	M12-4 core connector	
Power consumption	<5W	
Environmental conditions	Ambient temperature	-25°C~75°C
	Fluid temperature	Ordinary type: -40°C~ 90°C High temperature type: -40°C~125°C
	Protection level	IP67, IP68

LDG

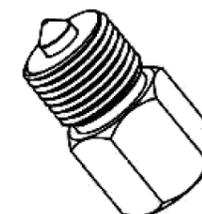
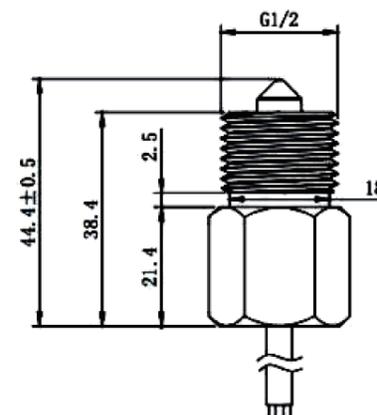
Electromagnetic Flow Meter



Model number	LDG
Measuring fluid	Conducting liquid
precision	±0.5%;±0.3%;±0.2%
repeatability	0.16%, 0.1%
Fluid temperature	-25°C~200°
Electric conductivity	>1us/cm
Aperture range	(3 ~ 2000)mm
Standard rated pressure	0.6MPa~4.0MPa/other
Velocity range	(0.3~10) m/s
Flow direction	Head/back
Electrode material	316L/ Ha B/ Ha C/ Titanium/Tantalum/Platinum-iridium/Tungsten carbide
Lining material	Neoprene /PTFE/F46/PFA
Electrode fom	Standard electrode
Number of electrodes	Four-electrode
Body flange material	Carbon steel/Stainless steel
Installation form	Francois
Class of protection	IP65/IP67 /IP68
Power source	220VAC/24VDC
Signal output	(4~20) mA/Bluetooth/frequency/pulse
Communication	HART communication/Modbus protocol
Electrical interface	1/2-14NPT、 M20x1.5
Explosion-proof form	Non-explosion-proof/flameproof
Structural form	Monotype/subtype
Working environment	Ambient temperature (-25 to 60) °C Humidity 5% to 90%

OLLS-IR2217D

Stainlesssteelliquidlevelsensor(contacttype)



Rating voltage	DC5-24V
Operating current	<23mA
Pressure range	3MPa
Output signal	switch signal
Response time	<1S
Waterproof level	IP68
Specification	PNP
Operating temperature	-20~80 C
Working lifetime	>50,000Hrs< (≈5.7years)

```

elif_operation == "MIRROR_Z":
    mirror_mod.use_x = False
    mirror_mod.use_y = True
    mirror_mod.use_z = False
elif_operation == "MIRROR_X":
    mirror_mod.use_x = True
    mirror_mod.use_y = False
    mirror_mod.use_z = False
elif_operation == "MIRROR_Y":
    mirror_mod.use_x = False
    mirror_mod.use_y = True
    mirror_mod.use_z = False

```

CS-900

Level - capacitive



Application	Liquid/Solid/Particle
Measurement signal	High(HLFS)Low (LLFS)High (HLFS) or Low (LLFS) fieldadjustable
Probe material	304/316/316L/304/316/316L
Extremely green materia	PEEK/ PEEK
Process connection	G1/2, 1/2NPT Thread startingfrom G1/2, 1/2NPT/flange/sanitaryinterface
Process temperature	-40~80°C
Process pressure	-1~10BAR(-100~1000KPA)
Signal output	Relay output
Power supply	20~46VDC/20~46VDC
Power	Max.1W
Spirituality	10PF
Certification	CE /ISO9001
Protection level	IP65/IP65
Junction box material	Stainless steel

PT-A

2-in-1IntegratedTemperature andPressureSensor



Measuring Range	0-0.1...1000 kg/cm ² 0~70 °C	Accuracy Class	≤±0.25%F.S(Pressure) ≤±1%F.S(Temperature)
Temperature Drift	± 0.02%FS/°C	Storage Temperature	-40 °C ~85°C
Protection Level	IP65	Thread	G1/2" (Optional)
Overload Capacity	150%	Power Supply Range	24V ±20%
Relative Humidity	≤ 80%	Stability	≤0.2%/year
Ambient Temperature	-10°C ~ 80°C		
Lead Wire	Hirschmann		

PT-A

Integrated Temperature and Pressure Sensor



Measuring Range	0-0.1...1000 kg/cm ² 0~70 °C	Accuracy Class	≤ +0.25%F.S(Pressure) ≤ 3% F.S(Temperature)
Temperature Drift	± 0.02% FS/°C	Storage Temperature	- 40°C ~ 85°C
Protection Level	IP65	Thread	G1/2" (Optional)
Overload Capacity	150%	Power Supply Range	24V+20%
Relative Humidity	≤ 80%	Stability	≤ 0.2% / year
Ambient Temperature	-10°C~80°C		
Lead Wire	Hirschmann		



General Pressure Transmitter	
Range	-0.1-0-100MPa
Output	4-20mA,RS485 0-5V,0-10V 4-20mA+HART
Accuracy	0.075%F.S,0.1%F.S 0.25%F.S,0.5%F.S



High Accuracy Differential Pressure Transmitter	
Range	0-3MPa
Output	4-20mA,RS485 4-20mA+HART
Accuracy	0.05%F.S, 0.075%F.S 0.1%F.S



General Temperature Transmitter	
Range	-200-400°C
Output	4-20mA,RS4850-5V, 0-10V
Accuracy	0.25%F.S, 0.5%F.S



Industrial Temperature Transmitter	
Range	-200-1600°C4
Output	-20mA,RS485 4-20mA+HART
Accuracy	0.25%F.S,0.5%F.S



Industrial Pressure Transmitter	
Range	0.1-0-100MPa
Output	4-20mA,RS485 4-20mA+HART
Accuracy	0.075%F.S, 0.1%F.S 0.2%F.S,0.5%F.S



Digital Pressure Gauge	
Range	-0.1-0-100MPa
Output	Radial,Axial
Accuracy	0.5%F.S,O.25%F.S 0.1%F.S



Head - Mounted Temperature Transmitter	
Range	-200-1600°C
Output	4-20mA, 4-20mA+HART
Accuracy	0.25%F.S, 0.5%F.S



Industrial Temperature Transmitter	
Range	-200-1600°C
Output	4-20mA,RS485 4-20mA+HART
Accuracy	0.25%F.S,0.5%F.S



High Accuracy Pressure Transmitter	
Range	0-40MPa
Output	4-20mA+RS485 4-20mA+HART
Accuracy	0.05%F.S, 0.075%F.S 0.1%F.S



Digital Pressure Gauge (Data Logger)	
Range	0.1-0-100MPa
Output	3.6V
Accuracy	0.5%F.S, 0.25%F.S 0.1%F.S, 0.05%F.S



Flexible self-adhesive type surface temperature sensor	
Range	-30~250°C
Output	PT-100 or Thermocouple
Accuracy	DINIEC751classA



100mm Digital Temperature Gauge	
Range	-200-400°C
Output	3.6V
Accuracy	0.5%F.S



Hydrostatic Liquid Level Transmitter	
Range	0-400m
Output	4-20mA, RS485 0-5V,0-10V
Accuracy	0.25%F.S,0.5%F.S



Split Liquid Level Transmitter	
Range	0-400m
Output	4-20mA,RS485 0-5V,0-10V
Accuracy	0.25%F.S, 0.5%F.S



Ultrasonic Flowmeter	
Structured Type	External Clamp, Pipe segment, Plug-in
Accuracy	1%F.S
Diameter	DN25-DN6000mm



Thermal Gas Mass Flowmeter	
Structured Type	Romote, Intergral1
RoConnection Type	Flange, Clamp
Diameter	DN15-DN4000mm



Radar Water Level Meter	
Range	0.1-65m
Output	4-20mA+HART+Bluetooth
Process Connection	Thread, Flange



Magnetostrictive Level Transmitter	
Range	0-20m
Output	4-20mA,RS485 4-20mA+HART
Accuracy	0.1%F.S



Metal Tube Flowmeter	
Output	3.6V,24V
Diameter	DN20-D250mm
materials	Stainless steel



Intelligent Transfer Into the Vortex Flowmeter	
Output	3.6V,24V
Diameter	DN20-DN100mm
Materials	Stainless steel



Magnetic Level Gauge	
Range	0-12m
Output	Top, Side, Top - Side
Process Connection	DN15 - DN40



80GHz Level Meter	
Range	0-120m
Output	4-20mA, RS485
Process Connection	Thread, Flange



Electromagnetic water meter	
Caliber range	DN25-DN1200
Electrode material	316L、HC、 others
Power supply	Built-in lithium battery / built-in lithium battery + 220V dual supply / built-in lithiumbattery + 24V dual supply / built-in lithium battery + solar energy
Communication mode	RS485(Modbus protocol)/GPRS communication/NB-0T



Inspection equipment for traffic products



Production equipment



Pressure and temperature product inspection equipment



Production equipment

