



All for your service needs!

APURE

Company profile

Create more cost-effective products and provide more thoughtful services

Create more cost-effective products and provide more thoughtful services

Apure is dominated by the application of water treatment industry and committed to saving cost and human and material input! APURE instruments cover industrial Ph acidity meter, industrial ORP controller, online conductivity meter, dissolved oxygen meter residual chlorine tester, tracing instrument, flow meter, level meter, pressure transmitter, thermometer and laboratory water quality analysis instruments. All products are precipitated in practical application and have received good feedback from customers on the site use. Now, in the rapid change of industrial process control, can we have a competitive advantage? The key is to make process control faster, more flexible, more efficient and more economical. From production to management, from local to global, all processes cannot be separated from the synchronism of equipment, achieving the maximum productivity.

As your professional partner, our company will wholeheartedly meet your needs. After the experience gained in process control, we continuously improve the independent product to make the product itself reliability and stability. APURE brand will be a rising star in instrumentation. Whether in the on-line analysis instrument, liquid level measurement, flow meter, pressure transmitter and other industrial control of many other supporting instruments, APURE's branded products are increasing their market share.

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Apure industrial online PH/ORP controller



Model: RP-1500

Feature:

- IP65 protection level; Installation: panel mounting
- English and Chinese operation interface, simple operation
- Provide 220V ac and 24V dc double power input
- Two 4-20MA outputs correspond to the PH/ORP setting and temperature
- Two sets of relays, high and low switching at will
- RS-485 (Modbus RTU agreement) Functions (optional)

Measuring range	Resolution ratio	Accuracy	Instrument size
PH: 0-14ph	PH: 0.01PH	PH: 0.01PH±1Digit	96mm*96mm*132mm(H*W*D)
ORP: -1999 - +1999 mV	ORP:1mV	ORP:0.1%±1Digit	Cut-size
Temp: 0-99 度	Temp: 0.1 °C	Temp:0.1°C ±1Digit	92mm*92mm(H*W)

Apure industrial online PH/ORP controller



Model: RP-3000

(Dual channel PH/ORP controller)

Feature:

- English and Chinese operation interface, simple operation
- Connect two probes at the same time and measure two PH or PH and ORP
- Two 4-20ma outputs correspond to two channel numbers
- Two sets of relays correspond to two channel values
- RS-485 (Modbus RTU agreement) Functions (optional)
- Installation: panel or wall mounting
- 100-240V wide power; IP65 protection level

Measuring range	Resolution ratio	Accuracy	Instrument size
PH: 0-14ph	PH: 0.01PH	PH: 0.01PH+1Digit	144mm*144mm*120mm(H*W*D)
ORP: -1999 - +1999 mV	ORP:1mV	ORP:0.1%+1Digit	Cut-size
Temp: 0-99 °C	Temp: 0.1 °C	Temp:0.1°C +1Digit	138mm*138mm(H*W)

Feature:



Model: RP-600

- English and Chinese operation interface, simple operation
- A set of 4-20ma signals
- A set of high/low relays
- IP54 protection level
- Provide 220V ac and 24V dc power supply

Measuring range	Resolution ratio	Accuracy	Measurement drift
PH: 0-14ph	PH: 0.01PH	PH: 0.01PH±1Digit	pH: Maximum measuring range of 0.75%
ORP: -1900 - +1900 mV	ORP:1mV	ORP:0.1%±1Digit	mV: Maximum measuring range of 0.75%
Temp: 0-99 °C	Temp: 0.1 °C	Temp:0.1°C ±1Digit	Pt1000tempcompensatio

Feature:

- English and Chinese operation interface, simple operation
- Two 4-20MA outputs independently correspond to PH/ORP or temperature
- Two sets of relays, high and low point arbitrary switching, corresponding to PH or temperature
- RS-485 (Modbus RTU agreement) Functions (optional)
- Installation: panel or wall mounting
- 100-240V wide power; IP65 protection level



Model: RP-2000

Measuring range	Resolution ratio	Accuracy	Instrument size
PH: 0-14ph	PH: 0.01PH	PH: 0.01PH+1Digit	144mm*144mm*120mm(H*W*D)
ORP: -1999 - +1999 mV	ORP:1mV	ORP:0.1%+1Digit	Cut-size
Temp: 0-99 °C	Temp: 0.1 °C	Temp:0.1°C +1Digit	138mm*138mm(H*W)

Apure industrial online PH sensor

GRT1010 Plastic shell PH electrode
(Colloidal electrolyte)



Application: PH measurement of sewage treatment

Specification:

Measuring range : 2-12pH

Temp range : 0-70°C

Pressure: normal pressure

Installation dimension: up and down 3/4NPT screw thread

Material: PC

Sheath : 0-3 m submersible sheath(PVC)

GRT1010J PH electrode resistant to organic solvent(Colloidal electrolyte)



Application: PH measurement of sewage treatment with organic solvent

Specification:

Measuring range : 2-12pH

Temp range : 0-70°C

Pressure: normal pressure

Installation dimension: up and down 3/4NPT screw thread

Material: PTFE

Sheath : 0-3 m submersible sheath(PPR)

Apure industrial online PH sensor

GRT1110 Glass PH electrode (Colloidal electrolyte)



Application: PH measurement of sewage treatment

Specification:

Measuring range : 2-12pH

Temp range : 0-70°C

Pressure: normal pressure

Installation dimension: up and down 3/4NPT screw thread

Material: PC

Sheath : 0-3 m submersible sheath(PVC)

GRT1130 High temperature PH electrode
(Jelly electrolyte)



Application: PH measurement of high temperature sewage treatment

Specification:

Measuring range: 0-14pH

Temp range: 0-110°C

Pressure: normal pressure

Installation dimension: PG13.5 screw thread

Material: glass

GRT1030 Special PH electrode for lime solution(Colloidal electrolyte)



Application: PH measurement of sewage treatment with lime slurry

Specification:

Measuring range : 2-12pH

Temp range : 0-70°C

Pressure: normal pressure

Installation dimension: up and down 3/4NPT screw thread

Material: PC

Sheath : 0-3 m submersible sheath: PVC)

GRT1010T PH electrode resistant to hydrofluoric acid(Colloidal electrolyte)



Application: PH measurement of sewage treatment with hydrofluoric acid

Specification:

Measuring range : 2-12pH

Temp range : 0-70°C

Pressure: normal pressure

Installation dimension: up and down 3/4NPT screw thread

Material: PC

Sheath : 0-3 m submersible sheath: PVC)

GRT1320 High temperature PH electrode
(Solid electrolyte)



Application: PH measurement of high temperature sewage treatment

Specification:

Measuring range : 0-14pH

Temp range : 0-135°C

Pressure: normal pressure

Installation dimension : PG13.5 screw thread

Material: glass

Sheath : 0-3 m submersible sheath(PVC)

GRT1320A/B Strong acid (base) PH electrode(Solid electrolyte)



Application: PH measurement of high temperature sewage treatment

Specification:

Measuring range : 0-14pH

Temp range : 0-135°C

Pressure: normal pressure

Installation dimension : PG13.5 screw thread

Material: glass

Sheath : 0-3 m submersible sheath(PVC)

Apure industrial online PH sensor

GRT1010P Plastic shell ORP electrode (Platinum ring)



Application: ORP measurement of general sewage treatment
 Specification:
 Measuring range: -1999mv-1999mv
 Temp range: 0-70°C
 Pressure: normal pressure
 Installation dimension: up and down 3/4NPT screw thread
 Material: PC
 Sheath : 0-3 m submersible sheath)

GRT1010JP ORP electrode resistant to organic solvent (Platinum ring)



Application: ORP measurement of sewage treatment with organic solvent
 Specification:
 Measuring range: -1999mv-1999mv
 Temp range: 0-70°C
 Pressure: normal pressure
 Installation dimension: up and down 3/4NPT screw thread
 Material: PTFE
 Sheath : 0-3 m submersible sheath (PPR)

GRT1110P Glass ORP electrode (Platinum ring)



Application: ORP measurement of ambient temperature sewage
 Specification:
 Measuring range: -1999mv-1999mv
 Temp range: 0-70°C
 Pressure: normal pressure
 Installation dimension: PG13.5 screw thread
 Material: glass
 Sheath : 0-3 m submersible sheath (PVC)

GRT1130P High temperature glass ORP electrode (Platinum ring)



Application: ORP measurement of high temperature sewage
 Specification:
 Measuring range: -1999mv-1999mv
 Temp range: 0-110°C
 Pressure: normal pressure
 Installation dimension: PG13.5 screw thread
 Material: glass
 Sheath : 0-3 m submersible sheath (PVC)

Apure PH/ORP sensor mounting sheath

PP1020-100 Submersible sheath



Application: Used for tank installation and measurement of plastic shell PH electrode
 Specification:
 Material: PVC (PPR is optional)
 Temp range: 0-70°C
 Pressure: normal pressure
 Installation dimension: 3/4NPT screw thread
 Optional size: 1 m, 2 m, 3 m

PP1120-100 Submersible sheath



Application: Used for tank installation and measurement of glass PH electrode
 Specification:
 Material: PVC
 Temp range: 0-70°C
 Pressure: normal pressure
 Installation dimension: 3/4NPT screw thread
 Optional size: 1 m, 2 m, 3 m

PF-1120G SS-1130G



Application: Pipe glass PH electrode installation
 Specification:
 Material: PVDF; Stainless steel
 Temp range: 0-60°C
 Pressure: normal pressure
 Installation dimension: 3/4NPT screw thread

Circulation tank type installation sheath PTB1010;PTB1130



Application: Circulating (bypass) PH electrode installation
 Specification:
 Material: acrylic
 Temp range: 0-60°C
 Pressure: normal pressure
 Installation dimension: PTB1010 3/4NPT screw thread PTB1130 PG13.5 screw thread

PH/ORP Buffer solution



PH1.68	ORP 86mv
PH4.00/PH4.01	ORP 220mv
PH6.86	ORP 256mv
PH7.00	
PH9.18	
PH10.00	

Signal amplifier and junction box



Signal amplifier	Junction box
F4-FD	F4-05
Order no:60901061	Order no:60904051

Apure Industrial on-line conductivity controller

English operation interface, simple operation

- 220V ac and 24V dc double power supply
- Two 4-20mA outputs correspond to conductivity setting and temperature
- Two sets of relays, high and low switching at will
- Password management access settings, enhance security protection IP65 protection level



Model: ES-2200



Electrode: KS-1



Electrode: KS-10

Meter model	Temp compensation	Accuracy	Size	Cut-out
ES-2200	AUTO	±1%(FS) +Digit	96*96*110mm (H*W*D)	92*92mm (H*W)
Electrode model	Temp resistance	Withstand voltage	Thread size	Measuring range
KS-0.01	5-50°C	0 ~ 0.5Mpa	1/2 " pipe	0.055us/cm-200us/cm
KS-0.1	5-50°C	0 ~ 0.5Mpa	1/2 " pipe	0.1us/cm-2000us/cm
KS-1	5-50°C	0 ~ 0.5Mpa	1/2 " pipe	1us/cm-20ms/cm
KS-10	5-120°C	0 ~ 0.5Mpa	1/2 " pipe	10us/cm-200ms/cm

Apure Industrial on-line conductivity controller

- High conductivity limit, low temperature limit dual relay alarm output
- Isolated type 4 ~ 20mA current signal output, upper limit represented by the 20mA output can be set
- Temperature automatic compensation, compensation coefficient can be set, 90°C is base value of conductivity.
- The conductivity and temperature are displayed simultaneously, and the key can be selected as the resistivity display



Model: ES-3100



Electrode: DJS-0.1

Meter model	Temp compensation	Accuracy	Size	Cut-out
ES-3100	AUTO	±2%(FS)	96*96*130mm (H*W*D)	92*92mm (H*W)
Electrode model	Temp resistance	Withstand voltage	Thread size	Measuring range
DJS-0.1	0-100°C	0 ~ 0.5Mpa	1 " pipe	0 ~ 19.99uS/cm-1; 0 ~ 3.00MΩ/cm

Apure Industrial on-line conductivity controller



Model: ES-201



Electrode: DJS-1

Feature:

- Automatic switching range
- A set of 4-20 ma
- No relay
- Panel mounting
- AC220V ±10% 50Hz

Measuring range	Stability	Accuracy	Meter size
0-1999us/cm	±1% (FS) /24h	±2.0%(FS) +Digit	48*96*100mm (H*W*D)
Electrode Temp resistance	Electrode Withstand voltage	Electrode Thread size	Cut-out
5-50°C	0 ~ 0.5Mpa	1/2 " pipe thread	45*92mm (H*W)

Apure Industrial on-line chlorine controller



TC-2200



TS-280

Feature:

- A set of 4-20 ma
- A set of relays correspond to residual chlorine values
- Screen has five ways to display
- IP65 protection level
- 220VAC power supply

Measuring range	Resolution ratio	Accuracy	Meter size
chlorine : 0-20.00mg/L	chlorine : 0.01mg/L	Superior to ±1%	96mm*96mm*132mm(H*W*D)
PH : 0-14PH	PH: 0.01 PH	Superior to ±0.02 Ph	Cut-out
Temp: 0-99 °C	Temp: 0.01 °C	Superior to ±0.5 °C	92mm*92mm(H*W)



Model: ES-401



Electrode: DJS-1

Feature:

- Conductivity and temperature are displayed simultaneously
- No 4-20 ma
- A set of high point relays
- Panel mounting
- AC220V ±10% 50Hz

Measuring range	Stability	Accuracy	Meter size
0-20ms/cm	±1% (FS) /24h	±2.0%(FS) +Digit	48*96*100mm (H*W*D)
Electrode Temp resistance	Electrode Withstand voltage	Electrode Thread size	Cut-out
5-50°C	0 ~ 0.5Mpa	1/2 " pipe thread	45*92mm (H*W)

Apure industrial online corrosion rate controller



Model: ES-109



Electrode: DJS-1



Sanitary electrode: WJS-0.1

Feature:

- 4-20ma
- No relay
- Wall mounted
- 24 VDC power supply

Meter model	Temp compensation	Stability	Accuracy	Measuring range
ES-109	AUTO	±1% (FS) /24h	±3.0%(FS) +Digit	Customized according to electrode
Electrode model	Temp resistance	Withstand voltage	Thread size	Measuring range
DJS-1	5-50°C	0 ~ 0.5Mpa	1/2 " pipe thread	0-20ms/cm
WJS-0.1	5-120°C	0 ~ 0.5Mpa	Chuck type	0-20us/cm or 0-100us/cm



FCY-100



Corrosion rate probe

Feature:

- 144*144 type corrosion rate transmitter
- Provides calibration function, convenient site application
- 1 set of isolated signals 4-20ma
- Object oriented menu design, easy to operate
- IP65 protection level ; 24VAC power supply

Measuring range	Resolution ratio	Accuracy	Meter size
0.001 ~ 1.000 mm/a	PH: 0.01PH	±0.001 mm/a	144mm*144mm*90mm(H*W*D)
Response(refresh)time	Power consumption	Installation	Cut-out
1 min	≤ 10W	Panel mounting	138mm*138mm(H*W)

Apure industrial online dissolved oxygen controller



Feature:

- Mainly used for sewage, river water, breeding, etc
- A set of 4-20ma signal output
- ON/OFF relay output contact
- 220VAC voltage
- Weight 1KG

Model: RD-20N Electrode: TS-200

Meter model	Temp compensation	Accuracy	Meter size	Cut-out
RD-20N	AUTO	±1.5%(FS)	96*96*115mm (H*W*D)	92*92mm (H*W)
Electrode model	Temp resistance	Response time	Thread size	Measuring range
TS-200	0-60℃	30 sec	3/4 " NPT thread	0 ~ 19.99mg/l

Apure high temperature fermentation dissolved oxygen controller



Feature:

- Mainly used to measure dissolved oxygen in high temperature fermentation
- Isolated two wire system 0/4~20mA
- 1~5V output (with protection)
- High stability, precision and anti-interference
- Two-wire 24VDC power supply
- High precision low drift
- IP65 protection level

Meter: RD-108

Meter: RD-108B (With display)

For high temperature fermentation situation
Electrode: TS-290

Meter model	Measuring range	Accuracy	Meter size	Installation
RD-108	0-400%	±0.2%(FS)	125*65*100mm (H*W*D)	Local mounted or wall mounted
Electrode model	Temp resistance	Diameter	Pressure range	Measuring principle
TS-290	0-130℃	25mm	0-6bar	Electric current measurement/polarography

Apure industrial online turbidity controller



Feature:

- The built-in air bubble elimination system improves the measurement precision and stability
- Measurement unit: mg/L and NTU
- Site calibration can be done by contrast method
- 1 Set of 4-20 ma; 2 sets of alarm relays
- RS-485 communication interface (optional)
- IP65 protection level; 220VAC power supply

TS-620 TD-400 TD-5000

Electrode measuring range	Resolution ratio	Accuracy	Meter size
TD-400: 1-100.00ntu	0.01NTU	±1%FS	242mm*184mm*135mm(H*W*D)
TD-5000: 20-5000ntu	0.1NTU	±1%FS	Installation
Required medium temp: 0-50 ℃	RH: ≤ 85%		Wall mounted

Apure industrial online suspended solids concentration controller



Feature:

- The built-in air bubble elimination system improves the measurement precision and stability
- Site calibration can be done by contrast method
- 1 Set of 4-20 ma; 2 sets of alarm relays
- RS-485 communication interface (optional)
- IP65 protection level; 220VAC power supply

S-730

Probe: TD-30

Measuring range	Resolution ratio	Accuracy	Meter size
TD-30: 0-30g/l	1mg/l	±%1FS	242mm*184mm*135mm(H*W*D)
Required medium temp: 0-50 ℃	RH: ≤ 85%	Wall mounted	Installation
Required medium temp: 0-50 ℃	RH: ≤ 85%		Wall-mounted

Apure industrial online tracer controller



SR-100



Tracer probe

Feature:

- 3 sets of 4-20ma; 3 sets of relays
- Corresponding : 350A、TP、OFF null point
- Slope scaling, convenient for site application
- 3 kinds of display mode, convenient for users to view
- IP65 protection level
- Installation: panel and wall mounted
- 220VAC power supply

Measuring range	Resolution ratio	Accuracy	Meter size
350A value : 0 ~ 99.9 ppm	0.1mg/L	±0.1 ppm	144mm*144mm*120mm(H*W*D)
TP value : 0 ~ 9.99 ppm	0.01mg/L	±0.03 ppm	Cut-size
Temp: 0 ~ 50.0 °C	Temp: 0.01 °C	±1 °C	133mm*133mm(H*W)

Apure industrial on-line one-piece ultrasonic liquidometer

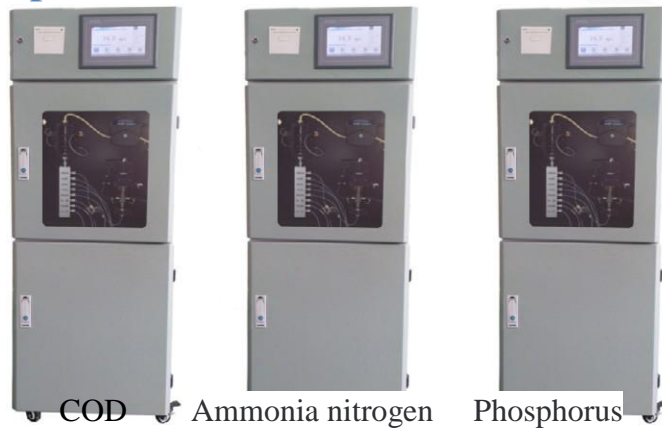


Model: AK-2000E

- A set of 4-20mA analog output, two sets of relay
- RS-485 communication (Modbus RTU agreement) (Optional)
- IP65 protection level
- 220V AC and 24V DC dual power (Optional)
- Installation: one-piece on-site installation and display
- Sensor material: ABS plastic (PE/PTFE anti-corrosion material is optional)

Measuring range	Dead zone	Range accuracy	Pressure
0-20M (Customized to the actual situation)	0.5m	±3mm (standard conditions)	3 atmospheres below
Meter type	Range resolution ratio	Environment temperature	Meter display
one-piece	1mm	-20°C ~+60°C	Built-in LCD display level or space distance

Apure Industrial online COD/ ammonia nitrogen / phosphorus



Feature::

- Automatically clean the sampling tube to prevent algae or biofilm formation
- 2 sets of 4-20 ma
- RS232 or RS485 communication interface
- 6 sets of relay control
- Power supply AC220±10% V

Meter model	Measuring range	Accuracy	Repeatability error	Measurement period	Sampling period
COD: QZ3000	10~2000mg/L	≤±10%	≤±10%	minimum 40min	20~9999min ADJ
Ammonia: QZ300	0.1~300mg/L	≤±10%	≤±10%	minimum 20min	20~9999min ADJ
Phosphorus: GTP-5	0~50mg/L	≤±10%	≤±10%	minimum 40min	20~9999min ADJ
Instrument calibration		Maintenance period		Dimension (COD, Ammonia, Phosphorus)	
Timing sensitivity and zero correction		1~99 days, usually 1 time per month		1500*550*450mm (H*W*D)	



Apure split type ultrasonic liquidometer

Model: AK-7000E

- A set of 4-20mA analog output
- Four sets of relay switch output
- RS-485 communication (Modbus RTU agreement) (Optional)
- IP65 protection level
- 220V AC and 24V DC dual power (Optional)
- Installation: split type, meter wall-mounted
- Sensor material: ABS plastic (PE/PTFE anti-corrosion material is optional)
- Sensor comes with 10m lines(which can be extended to

Measuring range	Dead zone	Range accuracy	Pressure
0-20M (Customized to the actual situation)	0.25-0.5m	±3mm/0.3% (standard conditions)	3 atmospheres below
Meter type	Range resolution ratio	Environment temperature	Meter display
split type	1mm	-20°C ~+60°C	Built-in LCD display level or space distance

APURE intelligent electromagnetic flowmeter

■ APURE intelligent electromagnetic flowmeter



Integrated type



Split type

■ Technical parameter

- DN (mm)
Pipeline PTFE lining:
10,15,20,25,32,40,50,65,80,100,125
150,200,250,300,350,400,450,500,600
Pipeline rubber lining:
40,50,65,80,100,125,150,200,300,350,400,
500,600,800,1000,1200
- Flow direction
Positive, negative, net flow range ratio:150:1
Repeatability error: measured value $\pm 0.1\%$
- Accuracy class: pipeline: 0.3 class, 0.5 class, 1.0
- Temp of the measured medium:
Ordinary rubber lining: $-20 \sim +60^{\circ}\text{C}$
High temperature rubber lining: $-20 \sim +90^{\circ}\text{C}$
PTFE lining: $-30 \sim +100^{\circ}\text{C}$
High temperature PTFE lining: $-30 \sim +180^{\circ}\text{C}$
- Rated working pressure:
Pipeline: DN10-DN65: $\leq 2.5\text{Mpa}$
DN80-DN150: $\leq 1.6\text{Mpa}$ DN200-
DN1200: $\leq 1.0\text{Mpa}$
- Flow measurement range:
Flow measurement range convection velocity
range is 0.3-15m/s
- Conductivity range:
Conductivity of measured fluid $\geq 5\mu\text{s/cm}$
Conductivity is in the range of 200-800

$\mu\text{s/cm}$ in most water - based media electromagnetic flowmeter can be selected.

- Output current and load resistance
4-20mA fully isolated load resistance $< 750\ \Omega$ pulse
When frequency 0-1KHZ optoelectronic isolation OCT
external power $\leq 35\text{V}$ is connecting, maximum current of
collector is 25mA.
- Electrode material:
Molybdenum-containing stainless steel, Ti, Ta, H, Pt or
other special electrode materials.
- Protection level: submerged type: IP68, other IP65
- Power supply: 85 ~ 265V, 45 ~ 63HZ
- Straight length: Pipeline: upstream $\geq 5\text{DN}$, downstream $\geq 2\text{DN}$
- Connection type
Flanged joint is used between flow meter and
distribution pipe, the size should meet the rule of B9119-
88
- Explosion-proof sign: md11BT4
- Environment temperature: $-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Relative temperature: 5%~95%
- Total power consume: less than 20W

■ Electromagnetic flowmeter type chosen table

Electromagnetic flowmeter	Note	Qmin (m ³ /h)	Qmax (m ³ /h)	Dn(mm)	Order no
AYT-10S	Integrated type	0.0283	4.24	10	4111001
AFT-10L	Split type				4111002
AYT-15S	Integrated type	0.0636	9.54	15	4111501
AFT-15L	Split type				4111502
AYT-20S	Integrated type	0.12	16.96	20	4112001
AFT-20L	Split type				4112002
AYT-25S	Integrated type	0.176	26.5	25	4112501
AFT-25L	Split type				4112502
AYT-32S	Integrated type	0.29	43.42	32	4113201
AFT-32L	Split type				4113202
AYT-40S	Integrated type	0.452	67.85	40	4114001
AFT-40L	Split type				4114002
AYT-50S	Integrated type	0.7	106	50	4115001
AFT-50L	Split type				4115002
AYT-65S	Integrated type	1.19	179	65	4116501
AFT-65L	Split type				4116502
AYT-80S	Integrated type	1.8	271	80	4118001
AFT-80L	Split type				4118002
AYT-100S	Integrated type	2.28	424	100	41110001
AFT-100L	Split type				41110002
AYT-125S	Integrated type	4.41	662	125	41112501
AFT-125L	Split type				41112502
AYT-150S	Integrated type	6.36	954	150	41115001
AFT-150L	Split type				41115002
AYT-200S	Integrated type	11.3	1690	200	41120001
AFT-200L	Split type				41120002
AYT-250S	Integrated type	17.6	2650	250	41125001
AFT-250L	Split type				41125002
AYT-300S	Integrated type	25.4	3810	300	41130001
AFT-300L	Split type				41130002
AYT-350S	Integrated type	34.6	5190	350	41135001
AFT-350L	Split type				41135002
AYT-400S	Integrated type	45.2	6780	400	41140001
AFT-400L	Split type				41140002

▲ Note: Above standard with 20m cable, RS485 communication is optional (Provide communication protocol) LCD PTFE lining (DN6 ~ DN65), rubber lining (greater than DN65), 316L electrode, integrated type, no grounded ring (pipe is metal), can be with RS232. flanged mounting, nominal Pressure IS1.6MPA. Please confirm with related technical personnel before ordering.

Apure split type open channel flowmeter



Apure split type open channel flowmeter

Model: MQ6000

- A set of 4-20ma analog output
- RS-485 communication (Modbus RTU agreement) (Optional)
- IP65 protection level
- 220V AC and 24V DC dual power (Optional)
- Installation: split type, meter wall-mounted
- Sensor material: ABS plastic (PE/PTFE anti-corrosion material is optional)
- Sensor comes with 10m lines(which can be extended to 50m)

Measuring range	Dead zone	Range accuracy	Pressure
Parshall trough universal type	0.25-0.5m	±3mm/0.3% (standard conditions)	3 atmospheres below
Meter type	Range resolution ratio	Environment temperature	Meter display
split type	1mm	-20°C ~+60°C	Built-in LCD display level or space distance

External clamp ultrasonic flowmeter



Main technical parameters

Measurement principle:
ultrasonic time difference principle

Measurement range :0~±10m/s

Accuracy: flow rate is better than ±1%

Display :2 x 10 Chinese backlit characters or 2 x 20 character LCD display, support three languages: Chinese, English and Italian

Flow direction: Positive and negative two-way metering, and measure positive, negative, net cumulative flow / heat

Data interface; RS485 serial turbulence, can be upgraded by PC computer, support MODBUS and other protocols

Data recording: positive/negative/net accumulations at 512 days, 128 months and 10 days before automatic memory More than 30 times, power off time and flow rate before automatic memory and can be automatically or manually added

Signal output: 1 channel 4-20mA current output 1 relay output

1 channel OCT pulse output (programmable between 6~100ms pulse width, default 200ms)

Signal input: 3 channels of 4-20mA analog input, accuracy 0.1%, can collect pressure, liquid level, warm sleep and other signals

2-way three-wire PT100 platinum resistor for thermal measurement

Power supply :Ac85~264V or Dc8~36V

Measuring medium: water, sea water, sewage, alcohol, various oils, etc., single, uniform, stable liquid that can guide ultrasonic waves

Media turbidity: ≤ 2000pm and small bubble content

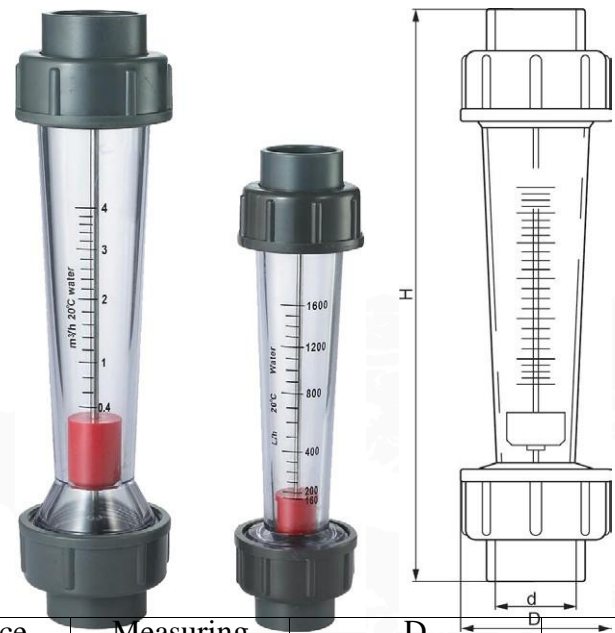
Applicable pipe: Carbon steel, stainless steel, copper, PVC, aluminum, fiberglass and other uniform and dense pipes, allowing lining

Straight pipe section: The sensor installation point is best to meet: upstream 10, downstream 5, from the pump outlet 300 (D is the diameter)

Sensor	Standard small sensor L1	Standard medium sensor L2	Standard large sensor L3	High temp small sensor GL1	High temp medium sensor GL2	High temp large sensor GL3	Standard insertion sensor c1	Extended insertion sensor c2	Parallel insertion sensor c3	Pipe section sensor	Temperature range
	dn15-dn100mm	dn50--dn700mm	dn300-dn600mm	dn15-dn100mm	dn50-dn700mm	dn300--dn600mm	Above dn80mm	Above dn80mm	Special customization	dn15mm~dn1000mm	0~90c
											0~90c
											0~160c
											0~160°C
											0~160c
											0~160c
											0~160c/0

Lzs type float

flowmeter



Model	Interface diameter	Measuring range	D	d	H
LZS-15	DN15	5-50l/h	45	20	202
		10-100l/h			
		16-160l/h			
		25-250l/h			
		40-400l/h			
		50-500l/h			
LZS-25	DN25	60-600l/h	60	32	226
		100-1000l/h			
		160-1600l/h			
LZS-32	DN32	250-250l/h	74	40	288
		0.4-4m ³ /h			
LZS-50	DN50	0.6-6m ³ /h	98	63	341
		1-10m ³ /h			
		1.6-16m ³ /h			
		2.5-16m ³ /h			
LZS-65	DN65	5-25m ³ /h	122	75	430
		8-40m ³ /h			
		12-60m ³ /h			
LZS-100	DN100	14-90m ³ /h	215	110	555
		20-120m ³ /h			
LZS-125	DN125	20-120m ³ /h	250	140	550
		18-150m ³ /h			
		20-180m ³ /h			

UHZ Magnetic flap level gauge

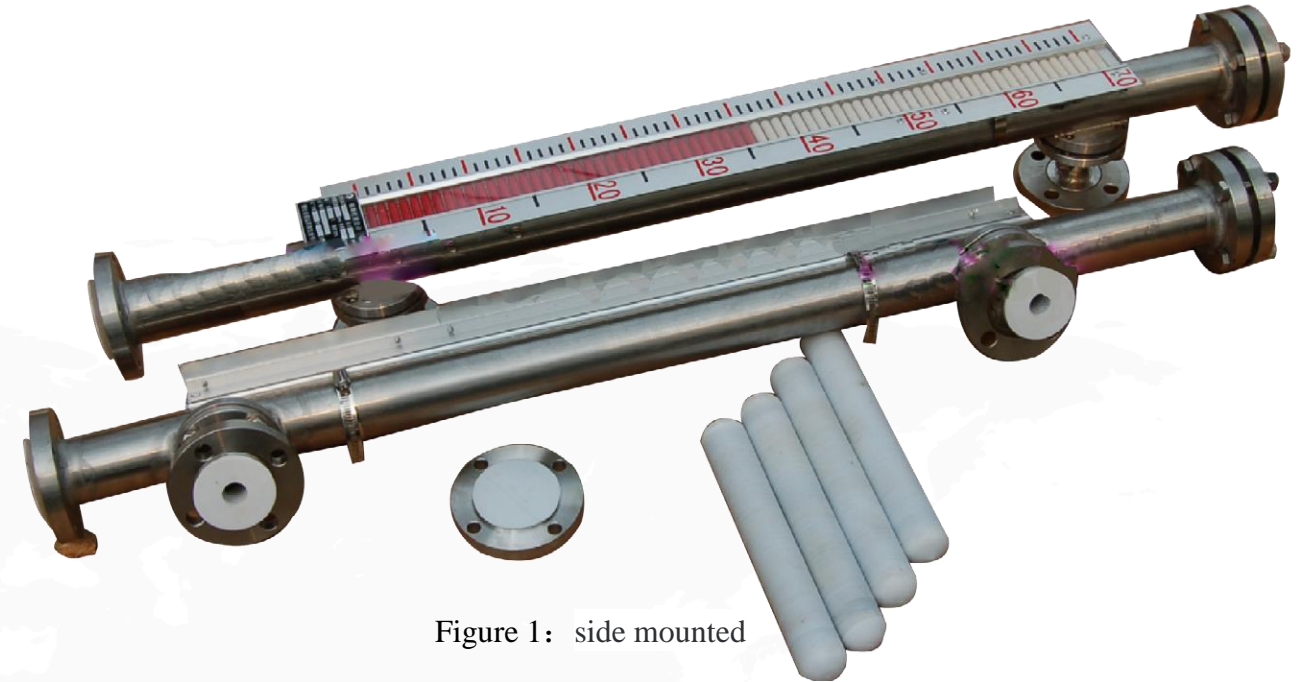


Figure 1: side mounted

Main technical parameters

【Brand】 Apure
【Measuring range】 200-20000mm
【Medium temperature】 ≤ 100℃
 (High temperature can be customized)
【Medium pressure】 ≤ 1.6mpa
【Accuracy】 ±5mm
【Medium density】 ≥ 0.42g/cm³
【Standard flange】 DN20/DN25
【Installation】 Side or top mounted
【Protection level】 IP65
【Measuring materials】 304, 316 stainless steel, PP
【Optional output】 remote transmission, liquid level witch, hart protocol

Product Selection

Step 1: measuring range

Step 2: Material and installation method

Step 3: shape structure and pressure range

Step 4: Remote transmission and level switch

When there is special need, the user is ordering special Instructions. Such as density, connection specifications

Throw-in type liquidometer



Straight wire throw-in type



Waterproof junction box type



High temperature collection cylinder



PTFE anti-corrosion type

Technical data

Measuring range :

0~1~100m Power supply:12~24VDC

Output signal: 4-20mA、0-5V、0-10V

Medium temp: -40~250℃

Protection level:IP68

Pressure overload: 200%FS

Mechanical vibration: 20g(20-5000HZ)

Comprehensive accuracy: 0.5level
(typical) 0.2level

Long-term stability: ±0.2%FS/ year

Material: junction box low copper aluminum alloy; liquid level probe all stainless steel; cable material polyethylene wire, stainless steel tube, PTFE anti-corrosion cable.

Media compatible: Various fluid media compatible with 316L stainless steel

PCM300 Series Compact Pressure Transmitter



PCM400 Series Industrial Hammer Pressure Transmitter



Integrated temperature sensor / transmitter



Overview

The integrated temperature transmitter with thermal resistance and thermocouple is a site-mounted temperature transmitter unit. It consists of a thermal resistance thermocouple and a temperature transmitter module. It is a two-wire system with a nonlinear correction circuit that directly measures liquid, gaseous media and various substances in the industrial process from -150 °C to 400 °C. Temperature signal is converted into a 4-20mA DC current output signal linear with the temperature signal. Display, adjusted recording instrument or computer for distributed control.

Widely used in petroleum machinery, chemical machinery, compressors, electric power, boilers, natural gas and other automated temperature measurement and control systems.

Performance parameter

Range: -150 °C ~ 400 °C

Output signal: 4 ~ 20mA

Supply voltage: 24VDC

Long-term stability: ≤ 0.2% FS / year

Response time: ≤ 20ms

Insertion depth: ≥ 10cm (special requirements can be customized)

Insert diameter: Φ7 (special requirements can be customized)

Nominal pressure: static external pressure on the protective tube at operating temperature

Explosion-proof grade: Exia II CT6 (can be customized)

Power consumption: < 0.5W

1: Ambient temperature: -40 °C ~ 80 °C

Working environment 2: relative humidity: 0 ~ 95% RH

3: Mechanical vibration: f < 55HZ, amplitude < 0.15mm

Intelligent control secondary display instrument

The digital display instrument cooperates with various types of analog output sensors and transmitters to measure, transform, display and control physical quantities such as temperature, pressure, flow, liquid level, composition and displacement.



Characteristics

◆ Compatible input 21 kinds of signals: thermal resistance, thermocouple, standard current, standard voltage, millivolt, remote pressure gauge resistance, etc. Sensor zero display value, sensor full point display value, decimal point position can be set freely;

◆ Multi-level digital filtering selection, effectively filtering out interference, effectively eliminating non-critical jump words, realizing alarm, controlling output, transmitting output 0 ~ 10 mA、4 ~ 20 mA、0 ~ 20 mA、0 ~ 5 V、1 ~ 5 V

Model

Content	Code	Description
	XM-601	Digital display
Dimensions	A	160*80*115, 80*160*115
	B	96*96*60
	C	96*48*60, 45*96*60
	D	72*72*60
	E	48*48*115
Panel form	H	Horizontal
	S	Vertical
	F	Square
Alarm	T	20'clock alarming
Transmitting Output	A0	No transmitting output
	A1	Current output (isolated from external supply)
	A2	Voltage output (isolated from external supply)
External transmitter power supply (external power supply input is not isolated, there is isolation requirement, please specify when ordering)	B0	No external power supply
	B1	External power supply 24VDC
	B2	External power supply 12VDC
Meter communication	S0	No communication
	S1	RS232 communication
	S2	RS485 communication
Meter power supply	VO	85VCA-265VAC