

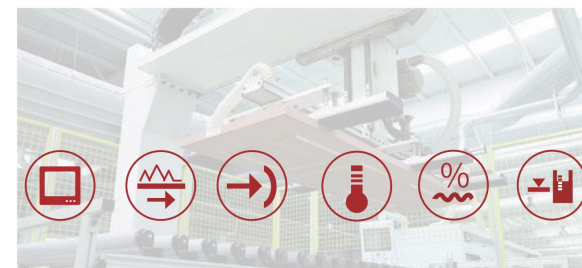
2025

The collage features a variety of Supmea industrial instruments:





- Top Left:** A large white ultrasonic flowmeter with a green LCD screen showing flow and velocity data.
- Top Center:** A white clamp-on flowmeter with a circular display.
- Top Right:** A red and white clamp-on flowmeter with a digital display.
- Middle Left:** A large industrial flowmeter with a black and silver body.
- Middle Center:** A white and black flowmeter with a red top cap.
- Middle Right:** A black pressure transmitter with a label indicating its specifications.
- Bottom Left:** A black pH meter with a large LCD screen showing pH and temperature.
- Bottom Center:** A white online turbidity meter with a digital display and a control panel.
- Bottom Right:** A black conductivity meter with a large LCD screen showing conductivity and temperature.






Analysis



Controller Parameters

Parameters				
	Universal controller	pH controller	pH controller	Conductivity controller
Model	SUP-DC2000	SUP-PH6.0	SUP-PH(CCEP)	SUP-TDS210-B
Display	2.8-inch LCD display	2.8-inch LCD display	4.3-inch TFT display	2.8-inch LCD display
Range	pH(0~14pH) ORP(-2000~+2000mV) Dissolved oxygen(0~20mg/L /0~40mg/L) Saturation(0~200%) Conductivity (0~600mS/cm) Turbidity(0~4000NTU) SS/TSS (0~120000mg/L)	pH(0~14pH) ORP(-1000~+1000mV/ -2000~+2000mV)	pH(-2~16pH) ORP(-1999 ~ 1999mV)	0.01electrode(0.20 ~ 200.0μS/cm) 0.1electrode(2.00 ~ 2000μS/cm) 1.0electrode(0.02 ~ 20.0mS/cm) 10.0electrode(0.20 ~ 200.0mS/cm) Temperature(-10 ~130°C)
Relay output	One set of high and low limit alarms (3A/250VAC) , normally open contact relay			the relay load is 3A/250VAC
Communication	RS-485 communication, MODBUS RTU			
Transmission	Isolated 4~20mA output, the maximum loop is 750Ω, ±0.2%F.S			
Overall dimension	100mm×100mm×150mm	100mm×100mm×150mm	144mm×144mm×115mm	100mm×100mm×150mm
Cutout dimension	92.5 mm×92.5 mm ⁺¹	92.5 mm×92.5 mm ⁺¹	138 mm×138 mm ⁺¹	92.5 mm×92.5 mm ⁺¹

Parameters			
	Turbidity controller	Multi-parameter controller	Residual chlorine controller
Model	SUP-PTU300	SUP-MDX500	SUP-TRC400
Display	4.3-inch touch screen	7-inch touch screen	7-inch touch screen
Weight	4.5Kg	30Kg	8Kg
Ingress protection	IP54	IP54	IP43
Range	0-1NTU 0-20NTU 0-100NTU Optional	Turbidity(0~1NTU / 0~20NTU / 0~100NTU / 0~4000NTU) Residual chlorine/Chlorine dioxide (0~5mg/L/0~20mg/L) Temperature(0~50°C) PH /ORP(0~14pH,±2000mV)(optional) Conductivity(0~2000uS/cm) (optional) Dissolved oxygen(0~20mg/L) (optional)	Residual chlorine(0~5mg/L) Temperature(0.1~40.0°C)
Accuracy	±2% or ±0.015 NTU (Based on Formazin Primary Standard at 25°C)	-	-
Resolution	0.001NTU	-	0.01
Zero point drift	≤±0.015NTU	-	-
Power supply	24VDC	(220±22)VAC, (50±1)Hz	(220±22)VAC, (50±1)Hz
Operating temperature	0°C~50°C	4°C~+50°C / -25°C~+50°C (optional temperature control heating antifreeze module)	0°C~40°C(No condensation)
Relative humidity	5 ~ 95%RH(No condensation)	≤95%RH(No condensation)	≤95%(No condensation)
Inlet flow	50mL/min~300mL/min	500mL/min~1000 mL/min	≥0.03m/s (in the floW cell)

Introduction

SUP-PTU300 turbidity controller is for online monitoring of drinking water quality, widely used in on-line monitoring of turbidity in tap water factory water, secondary water supply, membrane filtration water, swimming pools, surface water, etc. It has the characteristics of ultra-low turbidity detection limit, long-term maintenance-free high-precision measuring equipment, water-saving work and digital output.



Introduction

SUP-MDX500 multi-parameter water quality online analyzer is a new generation drinking water quality monitoring equipment independently developed and manufactured by our company. This equipment can be widely used in urban or village waterworks, tap water pipeline network, tap water secondary water supply, user terminal, indoor swimming pool, large water purification equipment and direct drinking water and other water quality online monitoring.

SUP-PTU300 Turbidity controller

Features

- Suitable for low turbidity conditions
- Innovative integrated body, sophisticated structure design
- Wall-mounted installation, easy and convenient
- Third-generation laser light source technology, without external measurement probe
- Less manual maintenance, fast detection



Parameters

Dimension	66mm*145mm*54mm
Ingress protection	IP54
Measuring range	0-1NTU、0-20NTU、0-100NTU (optional)
Accuracy	±2% or ±0.015 NTU (Based on Formazin primary standard at 25°C)
Operating temperature	0°C~50°C
Storage temperature	-20°C~60°C
Zero point drift	≤±0.015NTU
Resolution	0.001NTU
Water inlet and outlet	Water inlet 6mm hose Outlet and sewage outlet 10mm hose
Inlet flow	50mL/min ~ 300mL/min
Sensor cable length	2m
Installation	Wall-mounted

Applications



Municipal water treatment



Industrial water treatment



Secondary water supply



Swimming pool

SUP-MDX500 Multi-parameter controller

Features

- Simultaneously monitoring multiple parameters such as turbidity, pH, temperature, etc.
- High-precision measurement, long-term stable and accurate measurement on the order of 0.001-0.1NTU and 0.1-1NTU
- Wall-mounted installation to prevent water flooding and ground moisture, convenient for installation and operation and maintenance
- With a self-protection device, can effectively avoid equipment damage caused by accidents and lightning strikes
- Low operation and maintenance costs, support remote control functions such as automatic sewage discharge and remote adjustment
- Strong environmental adaptability, optional temperature control heating antifreeze module, can run outdoors all year round in cold regions








Parameters








	Turbidity	Chlorine/Chlorine Dioxide	pH /ORP (optional)	Temperature	Conductivity (optional)	Dissolved oxygen (optional)
Measuring range	0-1NTU / 0-20NTU 0-100NTU / 0-4000NTU	0-5mg/L/0-20mg/L	0-14pH ±2000mV (ORP)	0-50°C	0-2000uS/cm	0-20mg/L
Resolution	0-1NTU/0-20NTU/ 0-100NTU: 0.001NTU 0-4000NTU: 0.01NTU	0.01mg/L	0.01pH ±1mV (ORP)	0.1°C	-	-
Lower detection limit	0.02NTU 0.1NTU (0-4000NTU)	0.05mg/L	-	-	-	-
Zero point drift	≤1.5%	-	-	-	-	-
Indication stability	≤1.5%	-	-	-	-	-
Accuracy	2% or ±0.02NTU 2% or 0.1NTU (0-4000NTU)	±0.05mg/L or ±5% (DPD comparison error ±10%)	±0.1pH ±20mV (ORP) or ±2	±0.5°C	±1.5%FS	±0.3mg/L
Repeatability	≤3%	-	±0.1pH ±10mV (ORP)	±0.5°C	±0.5%FS	±1.5%
Response time	T≤120s Measured value 0-90% of turbidity value	≤120s	≤60s	≤25s	≤30s	≤30s
Recommended maintenance period	3-12 months (depending on the water quality on site)	1-3 months or weekly calibration 3-6 months to replace consumables	1-3 months	12 months	3-6 months	1-3 months

Sensor



Sensor Parameters

Parameters					
	pH sensor	pH sensor	pH sensor	pH sensor	pH sensor
Model	SUP-PH-5022	SUP-PH-6002	SUP-PH-5015	SUP-PH-5050	SUP-PH-7004
Measuring range	0~14pH	0~14pH	0~14pH	0~14pH	0~14pH
Temperature range	0~135°C	0~100°C	0~130°C	0~130°C	0~80°C
(ORP) Zero electric potential (pH, TDS) Temperature compensation	Optional	Optional	Optional	NTC10K/NTC2.252K PT100/PT1000	Optional
Pressure resistance	≤1.0Mpa	≤0.6Mpa	≤0.25Mpa	≤0.4MPa	100PSI
Thread	PG13.5mm	PG13.5mm	PG13.5mm	PG13.5mm	3/4NPT
Body material	Glass	Glass	Glass	Glass	FRPP
Application	Printing and dyeing electronics, paper making, Electroplating, desulphurisation	Industrial wastewater with suspended matter in solution, such as aquaculture, mining	Mining and smelting, paper making, wastewater treatment	Pharmaceutical industry, food and beverage Processes, starch slurry, etc.	Farming, municipalities environmental protection, water treatment
Cable length	Customizable	5m standard (customizable)	5m standard (customizable)	Customizable	5m standard (customizable)

						
pH sensor	pH sensor	pH sensor	ORP sensor	ORP sensor	EC sensor	EC sensor
SUP-PH-7001	SUP-PH-5013A	SUP-PH-7003	SUP-ORP-6041	SUP-ORP-6050	SUP-TDS-7001	SUP-TDS-7003
0~14pH	0~14pH	2~12pH	±1999mV	-2000~2000mV	0.01~20.0, 0.1~200 1~2000µs/cm (optional)	0.1us/cm ~70ms/cm
0~80°C	0~60°C	5~80°C	5~60°C	0~80°C	0~50°C	0~80°C
Optional	NTC10K/PT1000	NTC10K, PT100, PT1000	245~270mV	245~270mV (15~30°C Measuring 256mV calibration solution)	Optional	Optional
≤0.4Mpa	≤0.3Mpa	≤0.6Mpa	≤0.4Mpa	≤0.6Mpa	≤5Mpa (Electrode constant 0.01.1) ≤7Mpa (Electrode constant 1.0)	≤3Mpa
3/4NPT	3/4NPT	3/4NPT	PG13.5mm	3/4NPT	G3/4, 3/4NPT (optional)	G3/4 (3/4NPT customizable)
PPS	PTFE	PPS	Glass	PPS	SUS304 SUS316	PPS,POM,ABS
Mining and smelting, wastewater treatment	Heavy polluted water strong acid and alkali working conditions	Wastewater treatment, exhaust gas treatment	Industrial wastewater, acid and alkali neutralization	Industrial wastewater with suspended matter in solution, such as aquaculture, mining	Tap water	Mining and smelting, wastewater treatment
5m standard (customizable)	5m standard (customizable)	5m standard (customizable)	5m standard (customizable)	5m standard (customizable)	5m standard (customizable)	5m standard (customizable)





Sensor

Introduction

SUP-DC2000 universal controller, is suitable for supporting use with various liquid analysis series digital sensors of our company. It is used to monitor parameters including pH, ORP, conductivity, dissolved oxygen, turbidity sludge concentration, etc. The monitored parameters are output to the monitoring room through RS485 or current transmission for record keeping.

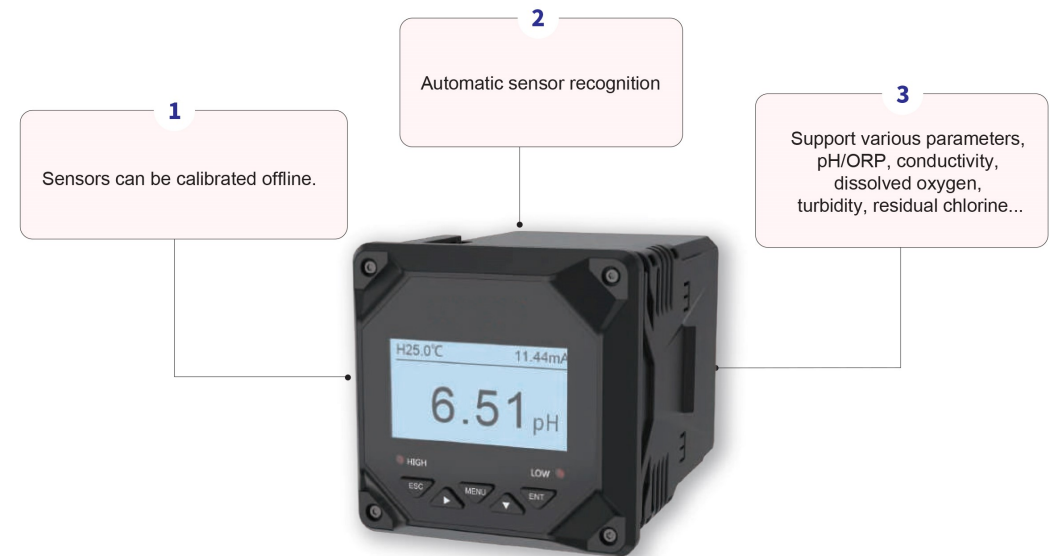
Sensor Parameters

Parameters				
Model	SUP-PH-8001	SUP-ORP-8001	SUP-TDS-8001	SUP-TDS-8002
Measuring range	±1000.0mV (0.00~14.00)pH	±1000.0mV	Conductivity (0~9999)uS/cm (10.00~70.00)mS/cm TDS(0~9999)ppm Salinity(0~40.00)ppt	(0~500)mS/cm
Temperature range	0~60°C	0~60°C	0~60°C	0~60°C
Accuracy	0.02pH /0.5°C /0.2mV	0.5°C/0.2mV	±2.5%	1.5%FS

Parameters				
Model	SUP-DO-7018	SUP-DO-7019	SUP-PSS-9011	SUP-PTU-8011
Measuring range	Dissolved oxygen (0~20)mg/L or saturation(0~200%) Temperature(0~50)°C	Dissolved oxygen (0~20)mg/L or saturation(0~200%) Temperature(0~50)°C	(0.01~20000)mg/L (0.01~45000)mg/L (0.01~120000)mg/L	(0.01~4000)NTU
Temperature range	0~45°C(no freezing)	0~45°C(no freezing)	0~45°C(no freezing)	0~45°C(no freezing)
Accuracy	Dissolved oxygen: ±0.3 mg/L Temperature:±0.2°C	Dissolved oxygen: ±3% or ±0.3 mg/L Temperature: ±0.5°C	Less than ±5% (depending on sludge homogeneity)	Less than ±2% of the measured value or ±0.1NTU

SUP-DC2000 Universal controller

Features



Applications



Water and wastewater treatment



Dosage monitoring











Process agricultural water

Flow



Flowmeter Parameters

Parameters				
	Electromagnetic flowmeter	Electromagnetic flowmeter	Remote type electromagnetic flowmeter	Stainless steel body electromagnetic flowmeter
Model	FMC240	LDG-SUP	LDG-SUP	LDG-SUP
Medium	Conductive liquid ($>30\mu\text{s/cm}$)	Conductive liquid ($>50\mu\text{s/cm}$)	Conductive liquid ($>50\mu\text{s/cm}$)	Conductive liquid ($>50\mu\text{s/cm}$)
Nominal diameter	DN10~DN2000	DN15~DN1000	DN10~DN2000 Optional	DN10~DN250
Nominal pressure	0.6~1.6MPa	0.6~4.0MPa	0.6~1.6MPa (Ultra high pressure can be customized)	0.6~4.0MPa
Accuracy	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%, \pm 1\%$
Range ratio	1:20	1:20	1:20	1:20
Body material	Carbon steel	Carbon steel	Carbon steel	Stainless steel
Operating temperature	Medium temperature: -10°C~+180°C Ambient temperature: -20°C~+60°C	Medium temperature: -10°C~+120°C Ambient temperature: -25°C~+60°C	Medium temperature: -10°C~+180°C Ambient temperature: -20°C~+60°C	Medium temperature: -20°C~+150°C Ambient temperature: -20°C~+60°C
Signal output	4~20mA/Pulse/frequency	4~20mA/Pulse/frequency	4~20mA/Pulse/frequency	4~20mA/Pulse
Communication	RS485	RS485/HART	RS485/HART	RS485/HART
Power supply	220VAC/24VDC 12VDC(optional) Photovoltaic battery-powerable	100~240VAC/24VDC	100~240VAC/24VDC	100~240VAC/24VDC
Electrical connection	M20×1.5 Thread	M20×1.5 Thread	M20×1.5 Thread	Stainless steel SUS316L, Hastelloy C, Titanium, Tantalum Platinum-iridium
Ingress protection	IP65/IP68	IP65/IP68	IP68	IP65
Installation	Flange	Flange/clamp/thread	Flange/clamp/thread	Flange/clamp/thread

			
Liquid turbine flowmeter	Vortex flowmeter	Thermal gas mass flowmeter	Wall mounted ultrasonic flowmeter
LWGY-SUP	LUGB-SUP	SUP-MF	SUP-1158J
Liquid	Gas, liquid, steam	Gas	Water
DN4~DN200	DN15~DN300	DN65~DN1000	Clamp-on: 1"~48" (25mm~1200mm)
0.6~4.0MPa	1.0~2.5MPa	$\leq 2.5\text{Mpa}$	-
$\pm 0.5\%/\pm 1\%$	$\pm 1.5\%$	$\pm 2.5\%$	$\pm 1.0\%$
1:10, 1:15, 1:20	8:1	1:100	Customizable
Stainless steel	Stainless steel	Stainless steel	PC/ABS
Medium temperature: -20°C~+120°C Ambient temperature: -20°C~+60°C	Medium temperature: -40°C~+300°C Ambient temperature: -20°C~+55°C	Medium temperature: -40°C~+300°C Ambient temperature: -20°C~+45°C	Medium temperature: 0°C~+50°C
4~20mA/pulse	4~20mA/pulse	4~20mA/pulse	OCT Pulse output: 0-5000Hz Analog output: 4~20mA, max load 750Ω
RS485	RS485/HART	RS485	RS485
24VDC/3.6V battery	24VDC/3.6V battery	220VAC/24VDC Power >18w	10~36VDC/1A
M20×1.5 Thread	M20×1.5 Thread	M20×1.5 Thread	-
IP65	IP65	IP65	IP65/IP68
Flange/clamp/thread	Flange	-	Wall mounted

Introduction

LDG-SUP Intelligent electromagnetic flow meter bases on the mature Faraday's law of electromagnetic. The main compositions are: Measuring tube, electrode, excitation coil, pipe lining and converter.

It is mainly used for volume measurement of conductive liquid flow in the closed pipeline. Including strong corrosive liquid, such as acid, alkali, salt, etc. The product is widely used in petroleum, chemical, metallurgical, textile, food, pharmaceutical, paper and other industries, as well as environmental protection, municipal administration, water conservancy construction and other fields.



Introduction

FMC240 electromagnetic flowmeter is based on the working principle of "Faraday's law of electromagnetic induction" and is suitable for flow measurement in various working conditions. Both compact and remotetype can be operated remotely by infrared using a universal monitor, reducing operating costs. In the absence of good grounding conditions, the flow rate value remains stable, and it has a stronger lightning protection function.

LDG-SUP Electromagnetic flowmeter

Features

- Small pressure loss and high Accuracy
- Strong adaptability and compatibility of various pipes
- Stable and reliable, strong anti-interference
- Good linearity of measure, high repeatability
- Wide measuring range, complete series
- No mechanical inertia, sensitive reaction parameters



Parameters

Name	Electromagnetic flow meter
Accuracy	±0.5%
Nominal pressure	0.6-1.6MPa
Power supply	100~240VAC, 50/60Hz, 22VDC~26VDC
Electrode type	316L electrode (standard); HB/HC alloy electrode (strong acid and alkali environment) titanium electrode; Tantalum electrode; Tungsten carbide electrode; Platinum electrode
Range ratio	10:1
Operating temperature	Sensor: -10~120°C converter: -10~55°C
Medium	>50us/cm
Flow direction	Bi-directional
Output signal	4~20mA (load resistance:0~750Ω), pulse / frequency
Communication	RS485, HART
Installation	Flange/clamp/thread

FMC240 Electromagnetic flowmeter

Features

- Compatible operation interface can save the user debugging and learning time
- IP65 ensures the stable operation of the machine and the safety of the user in harsh environments
- Self-diagnosis technology quickly help users to analyze and solve problems
- Special compact circuit design, adjustable excitation parameters and other product characteristics to ensure to meet the requirements of different working conditions



Parameters

Function	Real-time measurement of instantaneous flow, flow rate, mass flow (when density is constant, and flow accumulation)
Nominal diameter	DN10~DN300 (up to DN2000)
Nominal pressure	DN10 to DN250, PN <1.6MPa, DN300~DN1000, PN <1.0MPa; DN1200~DN2000, PN <0.6MPa Others be customized
Lining material	Neoprene (CR), polyurethane rubber (UR), polytetrafluoroethylene PTFE (F4), polyperfluoroethylene propylene FEP (F46), Teflon (PFA)
Electrode	Stainless steel 316L, harbin alloy (HB and HC), titanium (Ti), tantalum (Ta), platinum and iridium allo
Medium temperature	-10°C~+180°C
Ambient temperature	-20°C~+60°C
Storage temperature	-40°C~+65°C
Ingress protection	Compact: IP65; Remote: Transmitter IP65; body IP 65、IP 68
Signal output	Current (4 ~ 20 mA), pulses, and frequency
Communication	RS485

Introduction

LWGY-SUP series liquid turbine flowmeter is velocity flow meter which has the advantages of high accuracy, good repeatability, simple structure, small pressure loss, and convenient maintenance. It is used to measure the volume flow rate of low-viscosity liquids in closed pipelines. It is widely used in chemical industry, metallurgy, water supply, papermaking and other industries.



Introduction

LUGB-SUP vortex flowmeter has no moving mechanical parts, so it has high reliability, less maintenance, and long-term stability of instrument parameters. The vortex flowmeter adopts piezoelectric stress sensor, which has high reliability and can work in the working temperature range of -20~+250°C. It has analog standard signal and digital signal output. It is easy to be used with computer and other digital systems. It is a relatively advanced and ideal measuring instrument.

LWGY-SUP Liquid turbine flowmeter

Features

- Upgrade SMART transmitter, convenient and reliable, 11 units switchable
- Imported measurement chip, stable quality
- Compatible with various medium, stable and efficient
- Precision machining, shock resistance
- Flow control accurate



Parameters

Name	Liquid turbine flowmeter
Measuring medium	Liquid (water, refined oil, organic liquid, inorganic liquid and other liquids without fiber and particle impurities)
Nominal diameter	DN4~DN200
Accuracy	0.5%FS, 1%FS
Dielectric viscosity	< 5×10~6 m²/s (> 5×10~6 m²/s liquid, require solid liquid calibration)
Medium temperature	(-20~ + 120) °C (Stainless steel pipe)
Environmental conditions	Ambient temperature: (-20~ + 60)°C, Relative humidity: 5%~90%
Atmospheric pressure	(86~106)kPa
Power supply	3.6V lithium battery, 12VDC, 24VDC
Output signal	Pulse, 4~20mA, RS485
Ingress protection	IP65 (IP67, IP68, IP00)
Installation	Flange/clamp/thread

LUGB-SUP Vortex flowmeter

Features

- Compatible with many medium
- Power supply optional
- Display of parameters on the same screen
- Integrated temperature and pressure compensation
- Small-flow resection
- Intelligent anti-interference






Parameters

Name	Vortex flowmeter
Nominal diameter	DN 20~300 (Compact / Remote), DN 300~1000 (Insert)
Nominal pressure	Flange clamp (PN2.5Mpa) flange connection (PN1.0~2.5Mpa) depending on the caliber
Accuracy	±1%R(conventional), ±1.5%F.S; Insertion: ±25%R, ±2.5%F.S
Power supply	Sensors: + 12VDC, + 24VDC; transmitter: + 12VDC, + 24VDC; battery powered type: 3.6V powered
Range ratio	10:1, 15:1, 20:1
Output signal	Square wave pulse : high level ≥6V, low level ≤1V; current: 4 ~ 20 mA
Ingress protection	IP65
Environmental conditions	Temperature -20°C ~55°C, relative humidity 5% ~ 95% RH, atmospheric pressure 86~106kPa
Medium	Gas, liquid, steam

Pressure



Pressure Transmitter Parameters

Parameters	 Pressure transmitter	 Digital display pressure transmitter	 High temperature pressure transmitter
Model	SUP-P300	SUP-PX300	SUP-P300G
Power supply	8~32VDC	12~36VDC	24VDC
Output signal	4~20mA, 1~5V, 0~10V, 0~20mA, 0~5V, RS485, etc.	4~20mA	4~20mA
Pressure range	-0.1~60MPa	-0.1~60MPa	-0.1~60MPa
Temperature compensation	-10~70°C	-10~70°C	-10~70°C
Storage temperature	-40~85°C	-40~125°C	-40~85°C
Medium temperature	-20~85°C	-20~85°C	0~200°C
Ingress protection	IP65	IP65	IP65
Pressure type	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure
Accuracy	0.25%, 0.3%, 0.5% optional	0.3%, 0.5% optional	0.3%, 0.5% optional
Zero temperature drift	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
Sensitivity temperature drift	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
Overloading pressure	150%F.S	200%F.S	200%F.S
Long-term stability	±0.2%F.S/y	±0.2%F.S/y	±0.5%F.S/y
Frequency	5kHz~650kHz	5kHz~650kHz	5kHz~650kHz
Electrical connections	Direct lead/ aerial linker/Din connector (Customizable)	Direct lead/ aerial linker/Din connector (Customizable)	Direct lead/ aerial linker/Din connector (Customizable)
Measuring medium	Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.
Process connections	Threaded / sanitary / flange	Threaded / sanitary / flange	Threaded / sanitary / flange

 Digital pressure gauge	 Pressure transmitter	 Monocrystalline silicon pressure transmitter	 Monocrystalline silicon differential pressure transmitter
SUP-Y290	SUP-P400	SUP-P3000	SUP-2051
3Vbattery powered	9~32V	24VDC	24VDC
-	4~20mA, 1~5V, 0~10V, 0~20mA, 0~5V, RS485, etc.	4~20mA, 1~5V, 0~20mA, 0~5V, etc.	4~20mA, 1~5V, 0~20mA, 0~5V, etc.
-0.1~60MPa	-0.1~60MPa	-0.1~60MPa	-100KPa~3MPa
-10~70°C	-10~70°C	-10~70°C	-10~70°C
-40~125°C	-40~85°C	-50~85°C	-50~85°C
-20~85°C	-20~85°C	-40~100°C	-40~100°C
IP65	IP65	IP67	IP67
Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure	Differential pressure
±0.5%	0.2%/ 0.25%/ 0.5% optional	0.075%F.S, ±0.1%FS	0.075%F.S
±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
±0.03%/°C	±0.03%F.S/°C	±0.004%F.S/°C	±0.004%F.S/°C
< 40MPa 150%FS ≥ 40MPa 120%FS	0.035~10MPa 150%FS 10~60MPa 125%FS	200%F.S	200%F.S
±0.2%F.S/y	±0.2%F.S/y	±0.1%F.S/3y	±0.1%F.S/3y
5KHZ~650 kHz	5kHz~650kHz	5kHz~650kHz	5kHz~650kHz
-	M20*1.5	M20*1.5	M20*1.5
Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.
Threaded	Threaded / sanitary / flange	Threaded	Threaded

Introduction

The SUP-P300 adopts diffused silicon pressure sensor as the sensitive element, and the built-in processing circuit converts the millivolt signal of the sensor into standard voltage, current and frequency signal output, which can be directly connected with the computer, controller, and display instruments, etc. Remote signal transmission can be carried out. Product installation is convenient, with extremely high seismic and impact resistance.

SUP-P300 Pressure transmitter

Features

- Over-voltage and over-current protection circuit
- Strong anti-overload and anti-shock resistance and anti-interference ability
- Wide practicability, high stability and long service life
- High protection level to meet a wide range of needs
- The laser trimming resistance to give a temperature compensation, and make it be used in a wide range of temperature
- Surge voltage prevention, reverse polarity protection
- Small and exquisite, and can be installed easily
- Imported diffusion silicon chip, suitable for measuring under different pressure conditions



Parameters

Pressure range	-0.1~60Mpa
Output signal	4~20mA, 1~5V, 0~10mA, 0~20mA, 0~5V, RS485
Accuracy	0.25%, 0.3%, 0.5%
Pressure type	Gauge pressure, Absolute pressure, Seal pressure
Power supply	8-32VDC
Compensation temperature	-10~70℃
Media temperature	-20~85℃
Storage temperature	-40~85℃
Overloading pressure	150%F.S
Frequency	5kHz~650kHz
Ingress protection	IP65

Introduction

SUP-Y290 digital display pressure gauge is a high accuracy intelligent digital pressure gauge. It has high accuracy pressure sensor, which can display the pressure accurately and real-time, and has the characteristics of high accuracy and good long-term stability. The digital pressure gauge is equipped with a large size LCD, with reset, backlight, can be easily operated and installed, unit switching, low voltage alarm and other functions, can easily operate and install.

SUP-Y290 Digital pressure gauge

Features

- One click to reset in convenient use
- High quality 304 stainless steel gauge with resistance and durability
- With a variety of measuring units, one key switch for more economical use
- With temperature compensation, small temperature coefficient for more accurate measurement.
- With maximum 1.5 times range overload and more peak recording function for more reliable use.
- With four-digit LCD display for accurate and intuitive reading
- Graphic pressure percentage and battery power display
- With white backlight for easy checking at night






Parameters





Pressure range	-0.1~60Mpa	Sampling frequency	3 times/s
Pressure type	Gauge pressure, negative gauge pressure	Display screen	Four digits LCD display screen
Overload capacity	<40MPa 150%; ≥40MPa 120%	Backlight color	White
Accuracy	±0.5 %	Measuring medium	Air, water, oil etc.
Long-term stability	±0.2%F.S/year	Electromagnetism compatibility	EMI resistant design, in line with EN61326
Battery type	3V (2 cells of AAA battery)	Data memory	Permanent EEPROM
Battery life	≥12 months (subject to the specific use condition)	Peak record	Yes (partial specification products)

Level



Level Transmitter Parameters




Parameters			
	Ultrasonic level transmitter	Ultrasonic level transmitter	Submersible level sensor
Model	SUP-MP	SUP-ULS-B	SUP-P261
Range	0-15m	0-15m	0-200m
Accuracy	±0.5%F.S	±0.5%F.S	0.5%FS
Temperature drift	±0.01F.S/°C	±0.01F.S/°C	±0.03F.S/°C
Medium temperature	-20~70°C	-20~80°C	-10~65°C
Overload pressure	200%F.S	200%F.S	150%F.S
Power supply	14-28VDC	100-240 VAC,5W MAX, 50/6Hz 18-28 VDC	12-30VDC
Environment temperature	Converter:20~60°C Probe:20~80°C	Converter:20~60°C Probe:20~80°C	-20~65°C
Ingress protection	IP65	Converter:IP65 Sensor:IP68	Sensor:IP68 2088 Wiring:IP65
Output signal	4~20mA RL<500Ω (standard)	4~20mA Output precision:±0.5%FS RL≤500Ω	4~20mA, 1~5V, 0~10mA 0~20mA, 0~5V
Relay output	2 relays (5A/250VAC DC: 10A/240VDC)	2 relays	-
Communication	RS485(optional)	RS485	RS485(optional)
Process connection	Thread	Thread/flange	-




Parameters				
	Submersible level sensor	Submersible level sensor	Submersible level sensor	Submersible level sensor
Model	SUP-P260	SUP-P260-M2	SUP-P260-M3	SUP-P260-M4
Range	0 - 200m	0m~0.5m~100m	0m~ 0.5m~300m	Level:(0~100)m Temperature :(0~50)°C
Accuracy	0.5%FS	0.005	0.005	Temperature :1.5%FS Level:0.5%FS
Temperature drift	±0.03F.S/°C	±0.05F.S/°C	±0.05F.S/°C	±0.05F.S/°C
Medium temperature	-10~65°C	-30°C~65°C	-20°C ~ 65°C	-20°C~65°C
Overload pressure	150%F.S	≤200%FS	≤2 full scale	-
Power supply	12-30VDC	12VDC-30VDC	12-30VDC	12-30VDC
Environment temperature	-20 ~65°C	-30°C~65°C	-20 °C ~ 65°C	-20°C~65°C
Ingress protection	Sensor:IP68 2088 Wiring:IP65	IP68	IP68	IP68
Output signal	4~20mA, 1~5V 0~5V	4~20mA	4~20mA	RS485
Relay output	-	-	-	-
Communication	RS485 (optional)	RS485	RS485	RS485
Process connection	-	-	-	-

Level



Level Transmitter Parameters

Parameters	 Radar level meter	 Radar level meter	 Radar level meter
Model	SUP-RD701	SUP-RD902	SUP-RD902T
Range	0~30m	0~30m	0~20m
Accuracy	±10mm	±5~15mm	±10mm
Temperature drift	-	-	-
Frequency	500MHz~1.8GHz	26GHz	26GHz
Medium temperature	-40~250°C	-40~250°C	-40~250°C(standard type) -40~230°C (high tempeature type)
Power supply	24VDC/ Two-wire (24VDC/220VAC)/ Four-wire	24VDC/Two-wire 6~24VDC/Four-wire	24VDC/Two-wire 6~24VDC/Four-wire
Environment temperature	(-40~250)°C	-20~80°C	-20~80°C
Ingress protection	IP67	IP67	IP67
Output signal	4~20mA	4~20mA	4~20mA
Relay output	-	-	-
Communication	RS485	RS485	RS485
Material	Shell: Aluminum /Plastic	Aluminum	Aluminum
Process connection	Thread/flange	Thread/flange	Thread/flange

Parameters	 Radar level meter	 Radar level meter	 Radar level meter
Model	SUP-RD903	SUP-RD908	RD1000
Range	0~70m	0~30m	5~20 m
Accuracy	±20~30mm	±5~10mm	0.1%FS
Temperature drift	-	-	-
Frequency	26GHz	26GHz	80GHz
Medium temperature	-40~250°C	-40~100°C	-30~150°C
Power supply	24VDC/Two-wire 6~24VDC/Four-wire	24VDC/Two-wire 6~24VDC/Four-wire	DC24V (22V~30V)
Environment temperature	-20~80°C	-40~70°C	-20~70°C
Ingress protection	IP67	IP67/IP65	IP66
Output signal	4~20mA	4~20mA	4~20mA
Relay output	-	-	-
Communication	RS485	RS485	RS485
Material	Aluminum	Aluminum/plastic	-
Process connection	Thread/flange	Thread/flange	Thread/flange

Introduction

Many level measuring instruments, is a universal one characterized by total digitalized and humanized design. It has perfect level monitoring, data transmission and man-machine communication. The master chip is imported technical m single chip with relevant application specific ICs such as digital temperature compensation. It is featured by strong anti-interference performance; free setting of upper and lower limits and online output regulation, on-site indication.



Introduction

Piezoresistive effect of diffusion silicon to transform pressure into electrical signal. After temperature compensation and linear correction, it is converted to 4-20mA standard current signal and output. It is easy to install and measures accurately. It is widely used in liquid level measurement of various medium in petrochemical, metallurgy, power, pharmaceutical, water supply and drainage, environmental protection and other industries.

SUP-MP Ultrasonic level transmitter

Features

- Intelligent adjustment response
- Intelligent double-line display
- Intelligent adjustable range
- Processing of special echo
- All physical closed probe
- Multipoint emission circuit



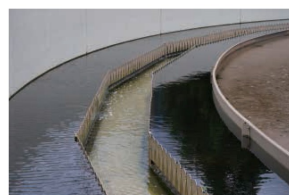
Parameters

Model	SUP-MP
Measuring range	0-15m
Accuracy	±0.5%F.S
Temperature drift	±0.01F.S/°C
Medium temperature	-20~70°C
Overload pressure	200%F.S
Power supply	14-28VDC
Ambient temperature	Converter:-20~60°C Probe:-20~80°C
Ingress protection	IP65
Signal output	4~20mA RL>500Ω (standard)
Relay output	2 relays (AC: 5A 250V DC: 10A 24V)
Communication	RS485(optional)
Material	Engineering plastics
Installation	Thread/Flange

Applications



Water industry tanks



Water industry secondary sedimentation tanks

SUP-P260 Submersible level transmitter

Features

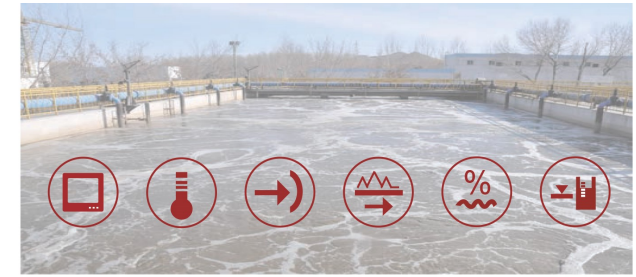
- Easy installation, easy to use, strong interchangeability
- Corrosion resistance, power supply is not required
- Good sealing performance, high reliability, safe use
- The high quality sensor with high sensitivity and fast response
- Wide measurement range, free from the limit of height of storage tank
- Strong anti-interference capability
- The anti blocking design can realize the measurement of the level of paste medium
- Various measured medium, not affected by the foaming or deposition of the medium






Parameters




Power supply	12-30VDC	Zero temperature drift	± 0.3% FS / 10°C(-10-70°C)
Signal output	4-20mA, 1-5V, 0-5V, RS485	Overload pressure	150%F.S
Range	0-100m	Long-term stability	≤0.2%F.S/year
Accuracy	0.3%/0.5% optional	Measuring medium	Liquid
Nonlinearity	≤0.5%F.S	Diaphragm material	316L stainless steel
Medium temperature	-20-60°C	Body material	SS304 or SS316L
Environment temperature	-10~125°C	Ingress protection	IP68
Temperature compensation	-10~70°C		

Temperature



Temperature Parameters

Parameters			
	Head-Mounted clamp RTD	Head-Mounted RTD	Head-Mounted clamp thermocouple
Model	SUP-WZPK	SUP-WZPK	SUP-WRN
Range	-200°C~450°C	-200°C~450°C	0°C~1100°C
Signal type	Resistance signal	Resistance signal	Millivolt signal
Application	Applicable to a variety of conventional environments	Applicable to a variety of conventional environments	Used in temperature measurement of boilers dry furnaces, the oven, etc.
Matching instrument	Temperature transmitter	Temperature transmitter	Temperature transmitter
Type of connections	Terminal box	Terminal box	Terminal box
Sensor type	Pt100, Pt1000, Cu50, Cu100		B, N, E, J, K, R, S, T
Protective accessories	304 stainless steel (other materials can be customized)		High temperature ceramic
Ingress protection	IP67	IP67	IP67
Optional	Insulating type	Insulating type	Insulating type
Process connection	Thread, flange, clamp, sleeve	Thread, flange, clamp, sleeve	Thread, flange, clamp, sleeve

Parameters			
	Temperature transmitter	Temperature sensor	Temperature sensor
Model	SUP-ST500	SUP-WZPK	SUP-WZPK
Range	-	-200°C~450°C	-200°C~450°C
Signal type	4~20mA, HART(optional)	Resistance signal	Resistance signal
Application	RTD: PT100, Cu50 TC: K, B, E, J, S, T, R, N, 0~4500Ω	Applicable to a variety of conventional environments	Usually used for temperature measurement of gas and liquid inside pipes and tanks
Matching instrument	Programmable	Support temperature control meter, PLC, inverter and other terminal secondary instruments	Support temperature control meter, PLC, inverter and other terminal secondary instruments
Type of connections	Wire	Terminal box	Terminal box
Sensor type	-	Pt100, Pt1000, Cu50, Cu100	
Protective accessories	-	304 stainless steel (other materials can be customized)	
Ingress protection	(Enhanced) shock resistance	IP68	IP68
Optional	-	-	-
Process connection	-	-	-



Sewage treatment



Water industry



Ecotechnology

Ecotechnology



pH controller
EC controller



Paperless
recorder



Electromagnetic
flowmeter



Pressure
transmitter



Temperature
sensor



Digital meter
Paperless recorder

Sewage treatment



Electromagnetic
flowmeter



Turbidity analyzer
DO meter



Electromagnetic
flowmeter

Water industry



Electromagnetic
flowmeter



Ultrasonic level
transmitter



Electromagnetic
flowmeter

Application Areas



Biopharmaceuticals



Research institutes



Food light industry



Environmental protection and greening



Metallurgical building materials

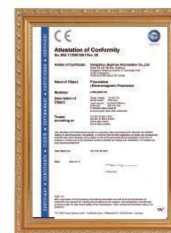


Equipment manufacturing

CE Certificates



Vortex flowmeter



Electromagnetic flowmeter



Signal isolator



Temperature transmitter



Radar level transmitter

Patent Certificates



pH controller



Conductivity meter



Electromagnetic flowmeter



Pressure transmitter



Signal isolator

Calibration Certificates



Electromagnetic flowmeter



pH controller



Pressure transmitter



Signal generator



Paperless recorder