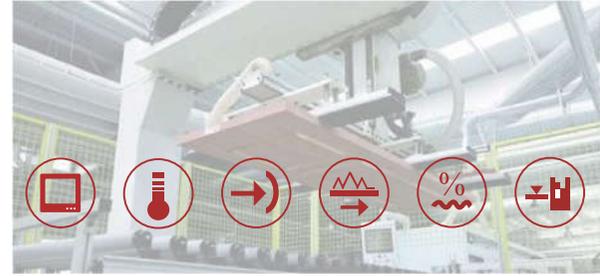


Analytic series



Water analysis controller parameters

Parameters	 pH controller	 pH controller	 pH controller
Model	SUP-PH2.0	SUP-PH3.0	SUP-PH6.0
Display	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD
Measuring range	pH(0~14pH)/ORP(-1000~+1000mV) (the wide range can be customized)	pH(0~14pH)/ORP(-1000~+1000mV) (the wide range can be customized)	pH(0~14pH) ORP(-2000~+2000mV)
Accuracy	pH±0.02pH;ORP±1mV	pH±0.02pH;ORP±1mV	pH±0.02pH;ORP±1mV
Display resolution	pH0.01pH; ORP 1mV	pH0.01pH; ORP 1mV	pH0.01pH; ORP 1mV
Stability	≤0.02pH/24h; ORP≤3mV/24h	≤0.02pH/24h; ORP≤3mV/24h	≤0.02pH/24h; ORP≤3mV/24h
Input resistance	>10 ¹² Ω	>10 ¹² Ω	>10 ¹² Ω
Temperature range	0~100℃, Accuracy: ±0.5℃	-10~130℃, Accuracy: ±0.3℃	-10~130℃, Accuracy: ±0.5℃
Temperature compensation	0~100℃ manual/automatic (NTC10K)	0~100℃ manual/automatic (NTC10K)	-10~130℃ manual/automatic (NTC10K)
Power supply	AC220V±10% 50Hz	AC220V±10% 50Hz	AC220V±10% 50Hz
Relay output	One group for high and low limit alarm (3A/250V/AC), often open contact relay	One group for high and low limit alarm (3A/250V/AC), often open contact relay	One group for high and low limit alarm (3A/250V/AC), often open contact relay
communication	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol
Transmission output	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.1%F.S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.2%F.S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.1%F.S
Overall dimension (mm)	98x98x130mm	101x105x128mm	100x100x150mm
Panel Cutout Size (mm)	92 ⁺ 1'x92 ⁺ 1' mm	93 ⁺ 1'x93 ⁺ 1' mm	92.5 ⁺ 1'x92.5 ⁺ 1' mm

 Conductivity meter	 Optical DO meter	 Turbidity meter	
Model	SUP-TDS310	SUP-DY2900	SUP-PTU100
Display	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD
Measuring range	0~20000 μS/cm	0~20mg/L, 0~20ppm	0.01~4000NTU
Accuracy	±1%F.S	Measured value±3%	Measured value±1%
Display resolution	0.01μS/cm-1	0.01mg/L	0.01NTU
Stability	±1%F.S/y	±1%F.S/y	±1%F.S/y
Input resistance	-	-	-
Temperature range	-10~130℃	-10~60℃	-10~60℃
Temperature compensation	-10~130℃ manual/automatic (NTC10K)	-	-
Power supply	AC220V±10% 50Hz	AC220V±10% 50Hz	AC220V±10% 50Hz
Relay output	The amount of offset of the relay may be set arbitrarily. The relay load is 3A/250VAC	The amount of offset of the relay may be set arbitrarily. The relay load is 3A/250VAC	The amount of offset of the relay may be set arbitrarily. The relay load is 3A/250VAC
communication	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol
Transmission output	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.2%F.S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.2%F.S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.2%F.S
Overall dimension (mm)	101x105x128mm	100x100x150mm	100x100x150mm
Panel Cutout Size (mm)	92.5 ⁺ 1'x92.5 ⁺ 1' mm	92.5 ⁺ 1'x92.5 ⁺ 1' mm	92.5 ⁺ 1'x92.5 ⁺ 1' mm

Introduction

PH controller is an intelligent chemical analysis instrument for on line pH, ORP, temperature value monitoring , which is widely used in thermal power,chemical industry, metallurgy, environmental protection, pharmaceutical, biochemical, food and water supply industries. All monitoring data can be transmitted to further data logger for monitoring and recording, with Modbus RS48 communication , the controller can also be connected to the computer for real time data monitoring and recording.



Introduction

Dissolved Oxygen controller is an intelligent chemical analysis instrument for on line DO, temperature value monitoring , which is widely used in thermal power,chemical industry, metallurgy, environmental protection, pharmaceutical, biochemical, food and water supply industries. With Optical method for measuring dissolved oxygen meter, no oxygen consumption , no interference, no polarization during measurement, it will have good performance under complex conditions and the design life of the fluorescent cap is more than one year, which greatly reduces the maintenance cost.

SUP-pH6.0 controller

Features

- The second generation of watchdog anti-lockup is set up to avoid the crash
- Double relay protection provides the safe operation experience
- The quadruple protection design is applicable to multiple conditions
- Strengthened 150% antistatic ability, strong anti-interference
- The automation module encapsulation is seismic-proof, drop-proof and jamming-proof
- Buzzer and LCD backlight function
- Innovative pluggable terminal, pure copper terminal design



Parameters

Measurement range	pH(0~14pH)
Accuracy	±0.02pH
Resolution ratio	0.01pH
Stability	≤0.02pH/24 hours
Display	2.8-inch LCD 128*64 LCD
Temperature compensation	-10~130°C manual/automatic(NTC10K/PT100)
Signal outputs	4~20mA isolation protection output, maximum resistance of loop: 750 Ω
Alarm output	One group for high and low limit alarm contact (3A/250V/AC), often open contact relay
Power supply	AC220V ±10% 50Hz
Input impedance	>10 Ω
Environmental conditions	(1) Temperature: 0~60°C (2) Humidity: ≤85%RH
Panel Cutout Size	92.5"×92.5"mm

SUP-DY2900 Optical DO meter

Features

- Isolated 4~20mA transmission output
- Isolated RS485 Modbus RTU communication
- High , low,hysteresis relay output
- Buzzer and LCD backlight function
- DO/SAT , temperature measurement
- Configurable temperature compensation,manual and automatic



Parameters

Measuring range	0~20mg/L (Dissolved oxygen) 0~200% (Saturation)
Accuracy	±3%F.S
Stability	±3%F.S/24H
Temperature compensation	Inside
Display	2.8 inch 128*64 LCD display
Output signal	4~20mA/ RS485 Modbus RTU /Relay
Power supply	AC220V ±10% , 50Hz
Overall dimension	100×100×150mm
Panel outout dimension	92.5"×92.5"mm

Electrode series



Electrode Parameters

Parameters				
Type	SUP-PH-6020	CPS31-1AC2GSA	SUP-PH-5011	SUP-PH-5013A
Measurement range	0-14pH	1-12pH	0-14pH	0-14pH
Temperature range	-5-80°C	0-80°C	0-90°C	0-90°C
Temperature compensation	-	-	10K Pt1000	10K Pt1000
Pressure resistance	0.6 Mpa	0-0.4 Mpa	0.3 Mpa	0.3 Mpa
Slope inclination	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)
Zero electric potential	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2
Thread	PG13.5mm	PG13.5mm	3/4NPT	3/4NPT
Body material	glass	glass	PPS	PTFE
Application	Industrial waste water treatment, Swimming pool, Aquaculture	Common water, Swimming pool	Industrial wastewater, acid base neutralization, strong acid and strong alkali condition, heavy polluted water quality	Thermal power, chemical industry, pharmaceuticals industry, iron and steel, metallurgy and environmental protection
Cables	5m,10m(customize)	5m,10m(customize)	5m,10m(customize)	5m,10m(customize)

Parameters				
Type	SUP-PH-5018	SUP-PH-5050	SUP-DO-7012	SUP-PTU-8011
Measurement range	0-14pH	0-14pH	0-20mg/L; 0-200% Saturation	Turbidity: 0.01-100 NTU, 0.01-4000 NTU
Temperature range	0-80°C	0-130°C	0-45°C	-
Temperature compensation	NTC 10K Pt100 Pt1000	NTC 10K Pt100 Pt1000	NTC	-
Pressure resistance	0.1-0.3 Mpa	0.6 Mpa	≤0.3Mpa	≤0.4Mpa
Slope inclination	≥97% (25°C)	≥97% (25°C)	-	-
Zero electric potential	E0=7pH±0.2	E0=7pH±0.2	-	-
Thread	VP, S8M, K2	PG13.5mm (S8, VP, k8S)	R1	-
Body material	glass	glass	SUS316L Titanium alloy; PPS+ glass fiber	SUS316L Titanium alloy; PPS+ glass fiber
Application	Mining, smelting, papermaking, Petrochemical, biotechnology	Fermentation tanks, biotechnology, pharmaceutical, food	Waterworks, surface water, various water for industrial processes	Waste water treatment, various water for industrial processes
Cables	5m,10m(customize)	5m,10m(customize)	10m (customize)	10m (customize)