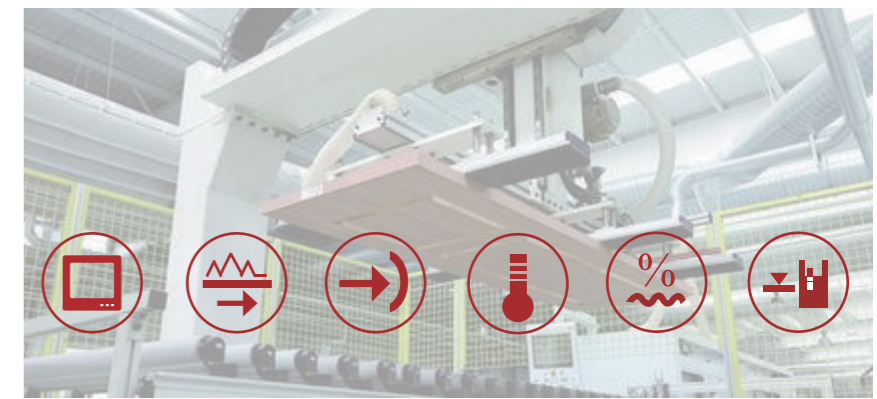





Water Analysis series



Water analysis controller parameters

Parameters	 pH controller	 pH controller	 pH controller
Model	SUP-pH160	SUP-PH4.0	SUP-PH6.0
Display	128*64 LCD	2.4-inch LCD	2.4-inch LCD
Measuring range	pH(0~14pH)ORP(-1000~+1000mV) (the wide range can be customized)	pH(0~14pH) ORP(-1900~+1900mV)	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	More than or equal to 10Ω	More than or equal to 10Ω	More than or equal to 10Ω
Temperature range	0~100°C, Accuracy: ±0.5°C	0~100°C, Accuracy: ±0.5°C	-10~130°C, Accuracy: ±0.5°C
Temperature compensation	0~100°C manual/automatic (NTC10K)	0~100°C manual/automatic (NTC10K)	-10~130°C manual/automatic (NTC10K PT1000)
Power supply	220VAC±10% 50Hz	220VAC±10% 50Hz 110VAC±10%	220VAC±10% 50Hz 110VAC±10%
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,0.1%F. S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.1%F. S
Overall dimension (mm)	96x96x110mm	97x97x130mm	100x100x150mm
Panel Cutout Size (mm)	92x92mm	92.5x92.5mm	92.5x92.5mm

 Conductivity meter	 Dissolved Oxygen meters	 Turbidity meter
SUP-TDS210	SUP-DM2800	SUP-PTU200
2.4-inch LCD	2.4-inch LCD	128*64 LCD
0~20000 μ S/cm	0~20mg/L, 0~20ppm	0.01~4000NTU
±1%F.S	Measured value ± 3%	Measured value ± 1%
0.01 μ S/cm-1	0.01mg/L	0.01NTU
±1%F.S/y	±1%F.S/y	±1%F.S/y
More than or equal to 10Ω	More than or equal to 10Ω	More than or equal to 10Ω
0~50°C	0~50°C	-15~60°C
0~100°C manual/automatic (NTC10K PT1000)	-	-
220VAC±10% 50Hz	220VAC±10% 50Hz	220VAC, 24VDC
The amount of offset of the relay may be set arbitrarily. The relay load is 10A/220VAC	The amount of offset of the relay may be set arbitrarily. The relay load is 10A/220VAC	The amount of offset of the relay may be set arbitrarily. The relay load is 10A/220VAC
RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol
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,0.1%F. S	Isolation and transmission 4~20mA output may be set. The maximum loop is 750Ω,0.1%F. S
97x97x130mm	100x100x150mm	145x125x162mm
92.5x92.5mm	92.5x92.5mm	115.4x137.4mm

Introduction

The SUP-pH4.0 controller is an industrial pH meter, which is an intelligent upgrading product of the industrial acidity meter. It can continuously measure and control the pH value of the sewage. 220VAC and safe and low-voltage 24VDC power supply are added by PH4.0 according to the environment and the characteristics of water industry, combining with the international power supply standards and considering the electrical design specifications in the special environment.

SUP-pH4.0 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.
- ⊙ 4-20mA transmitting output can be received by multiple devices
- ⊙ 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	128*64 LCD
Temperature compensation	0-100°C manual/automatic (NTC10K)
Signal outputs	4-20mA isolation protection output, maximum resistance of loop: 300Ω
Alarm output	One group for high and low limit alarm contact (3A/250V/AC), often open contact relay
Power supply	220VAC ± 10% 50Hz
Power consumption	≤3W
Environmental conditions	(1) Temperature: 0-60°C (2) Humidity: ≤85%RH
Panel Cutout Size	92.5×92.5mm

Introduction

SUP-TDS210 industrial conductivity meter may continuously measure and control the conductivity (TDS) of industrial water. The device is widely applied in scientific experimental equipment, chemical, pharmaceutical, environmental protection, metallurgy, papermaking, food, beverage and water supply industries. 220VAC and safe and low-voltage 24VDC power supply are added according to the environment and the characteristics of water industry, combining with the international power supply standards and considering the electrical design specifications in the special environment.

SUP-TDS210 Conductivity meter

Features

- ⊙ Measurement and detection of pure water / ultra pure water
- ⊙ Continuous monitoring control of EC/TDS value
- ⊙ RS485 communication and upper and lower limit control
- ⊙ Chinese and English display interface can be inter-switchable.
- ⊙ Exquisite size and powerful function
- ⊙ Widely used in a variety of medium





Parameters





Measurement range	0.01 electrode: 0.02-20us/cm; 0.1 electrode: 0.2-200us/cm; 1.0 electrode: 2-2000us/cm; 10.0 electrode: 0. -20ms/cm;
Accuracy	±1%F.S
Stability	±1%F.S/24H
Temperature compensation	Manual / automatic temperature compensation, compensation range: -10-130°C
Display mode	2.4 inch 128*64 lattice LCD, capacity of relay: 250VAC, 3A
Signal output	4-20mA transmitting output, RS485 MODBUS-RTU protocol
Power supply	220VAC ± 10%, 50Hz
Overall dimension	96×96×130mm (height width depth)
Panel Cutout Size	92.5×92.5mm

Electrode series



Electrode Parameters

Parameters				
Type	SUP-pH-6020	SUP-pH-5011	SUP-pH-5013A	SUP-pH-5011
Measurement range	0~14pH	0~14pH	0~14pH	0~14pH
Temperature range	-5~80℃	0~60℃	0~90℃	0~90℃
Temperature compensation	-	NTC10K Pt1000	NTC10K Pt1000	NTC10K Pt1000
Pressure resistance	0.6Mpa	0.3Mpa	0.3Mpa	0.3Mpa
Slope inclination	≥97% (25℃)	≥97% (25℃)	≥97% (25℃)	≥97% (25℃)
Zero electric potential	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$
Thread	PG13.5mm	3/4NPT	3/4NPT	3/4NPT
Body material	Glass	PPS/PC	PTFE	PPS
Application	Industrial wastewater, environmental water treatment, swimming pool, aquaculture water	Chemical, metallurgical, environmental protection, food and tap water	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	Standard : 5m (customizable)	Standard : 5m (customizable)	Standard : 5m (customizable)	Standard : 5m (customizable)

Parameters				
Type	SUP-pH-5020	SUP-pH-5012	SUP-pH-5041	SUP-pH-5050
Measurement range	0~14pH	0~14pH	0~14pH	0~14pH
Temperature range	0~60℃	0~60℃	0~90℃	0~130℃
Temperature compensation	NTC 10K Pt100 Pt1000	NTC 10K Pt100 Pt1000	NTC 10K Pt100 Pt1000	NTC 10K Pt100 Pt1000
Pressure resistance	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Slope inclination	≥97% (25℃)	≥97% (25℃)	≥97% (25℃)	≥97% (25℃)
Zero electric potential	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$	$E_0=7pH\pm 0.2$
Thread	3/4NPT	3/4NPT	PG13.5mm	PG13.5mm Socket: (S8, VP, k8S, etc.)
Body material	PPS/PC/PTFE	PPS/PC/PTFE	Glass	Glass
Application	Industrial circulating water, chemical pure water, thermal power plant, pharmaceuticals industry and other industries	Desulphurization and denitrification, mineral slurry and water with multiple suspended particles	Strong acid and strong alkali, strong corrosive condition, electroplating industry	Fermenting cans, biotechnology, pharmaceutical industry, food diet technology, starch pulp, etc.
Cables	Standard : 5m (customizable)	Standard : 5m (customizable)	Standard : 5m (customizable)	Standard : 5m (customizable)