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WATER ANALYTIC series

Parameter	pH controller	pH controller	pH controller	Conductivity meter	Optical DO meter	Turbidity meter
Model	SUP-PH2.0	SUP-PH3.0	SUP-PH6.0	SUP-TDS210-B	SUP-DY2900	SUP-PTU100
Display	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD	2.8-inch LCD
Measuring range	pH(0~14Ph) ORP (-2000~+2000mV)	pH(0~14Ph) ORP (-2000~+2000mV)	pH(0~14Ph) ORP (-2000~+2000mV)	0~2000μ S/cm	0~20mg/L, 0~20ppm	0.01~4000NTU
Accuracy	pH±0.02pH;ORP±1mV	pH±0.02pH;ORP±1Mv	pH±0.02pH;ORP±1mV	±1%F.S	±3%	±1%
Display resolution	pH0.01Ph; ORP 1mV	pH0.01Ph; ORP 1mV	pH0.01Ph; ORP 1mV	0.01μ S/cm-1	0.01mg/L	0.01NTU
Stability	≤0.02Ph/24h; ORP≤3Mv/24h	≤0.02Ph/24h; ORP≤3Mv/24h	≤0.02Ph/24h; ORP≤3Mv/24h	±1%F.S/y	±1%F.S/y	±1%F.S/y
Input resistance	> 1012 Ω	> 1012 Ω	> 1012 Ω	-	-	-
Temperature range	0~100°C, Accuracy: ±0.5°C	-10~130°C, Accuracy: ±0.3°C	-10~100°C, Accuracy: ±0.5°C	-10~130°C	-10~60°C	-10~60°C
Temperature compensation	0~100°C manual/ automatic (NTC10K)	-10~100°C manual/ automatic (NTC10K)	-10~100°C manual/ automatic (NTC10K)	-10~130°C manual/ automatic (NTC10K)	-	-
Power supply	DC24V,AC220V±10%, AC110V±10%,50Hz	AC220V±10%, AC110V±10%,50Hz	AC220V±10%, AC110V±10%,50Hz	AC220V±10%, AC110V±10%,50Hz	AC220V±10%, 50Hz	AC220V±10%, 50Hz
Relay output	High relay/low relay, 3A/250VAC	High relay/low relay, 3A/250VAC	High relay/low relay, 3A/250VAC	High relay/low relay, 3A/250VAC	High relay/low relay, 3A/250VAC	High relay/low relay, 3A/250VAC
Communication	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocal (optional)	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol	RS-485 MODBUS RTU protocol
Signal output	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA
Overall dimension (mm)	98x98x130mm	101x105x128mm	100x100x150mm	100x100x150mm	100x100x150mm	100x100x150mm
Signal output	92+1x92+1mm	93+1x93+1mm	92.5+1x92.5+1mm	92.5+1x92.5+1mm	92.5+1x92.5+1mm	92.5+1x92.5+1mm

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SUP-Ph6.0

PH Controller

FEATURE

- set up to avoid the crash
- Double relay protection
- applicable to multiple conditions
- Strengthened 150% antistatic ability
- The automation module encapsulation is seismic-proof, drop-proof and jamming-proof
- Buzzer and LCD backlight function
- Innovative pluggable terminal,pure copper terminal design

PH controller is an intelligent chemical analysis instrument for on line Ph, ORP, temperature value monitoring, wich is widely used in thernal 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 Modubus RS48 communication, the controller can also be connected to the computer for real time data monitoring and recording.

Measurement range	pH(0~14pH) ORP (-2000~ +2000Mv)	Signal outputs	4-20mA
Accuracy	±0.02pH	Temperature compensation	-10~130°C manual/ automatic (NTC10K, PT1000)
Resolution	0.01pH	Power supply	AC220V±10%, AC110V± 10%,50Hz
Stability	≤0.02pH/24 hours	Input impedance	>1012Ω
Display	2.8inch 128*64 LCD display	Environment conditions	Temperature: 0 ~ 60°C; Humidity: ≤85%RH
Relay output	High relay/low relay, 3A/250VAC	Panel cutout size	92.5+1x92.5+1mm

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ELECTRODE series

Parameter	Jumo pH sensor	E+H pH sensor	pH sensor	PTFE pH sensor	pH sensor	High temp pH sensor	Optical DO sensor	Turbidity sensor
Model	SUP-PH-5022	CPS31-1AC2GSA	SUP-PH-501	SUP-PH5013A	SUP-PH-5018	SUP-PH-5050	SUP-DO-7012	SUP-PTU-8011
Measurement range	0 ~ 14pH	1 ~ 12pH	0 ~ 14pH	0 ~14pH	0 ~ 14pH	0 ~ 14pH	0 ~ 20mg/L ; 0 ~ 200% Saturation	Turbidity: 0.01 ~ 100 NTU, 0.01 ~ 4000 NTU
Temperature range	0 ~ 135°C	0 ~ 80°C	0 ~ 60°C	0 ~ 90°C	0 ~ 80°C	0 ~ 130°C	0 ~ 45°C	-
Pressure Resistant	1.0MPa	0 ~ 0.4 MPa	0.1 ~ 0.3 MPa	0.3 Mpa	0.1~0.3 MPa	0.6 MPa	≤0.3 MPa	≤0.4 Mpa
Slope Inclination	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)	≥97% (25°C)	-	-
Zero Potential Point	E0=7pH±0.2	E0=7pH±0.2	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	VP,S8,K2	PG13.5mm (S8,VP,k8S)	R1	-
Body Material	Glass	Glass	PPS	PTFE	Glass	glass	SUS316L. Titanium alloy; PPS+ glass fiber	SUS316L. Titanium alloy; PPS+ glass fiber
Temperature compensation	-	-	NTC 10K; PT100; PT1000	NTC 10K; PT100; PT1000	NTC 10K; PT100; PT1000	NTC 10K; PT100; PT1000	NTC	-
Aplication	Electroplating, desulfurization, printing and dyeing, electronics, papermaking	Waste water, Swimming pool	Industrial wastewa-ter, acid base neutralization, strong acid ad strong alkali condition, heavy polluted water quality	Thermal power, chemical industry, pharmaceuticals industry,iron and steel, metallurgy and environmental protection	Mining, smelting, papermaking, Petrochemical, biotechnology	Fermentation tanks, biotechnology, pharma-ceutical, food	Waterworks, surface water, various water for industrial processes	Wate water treatment, various water for industrial processes
Cable Length	5m,10m (customize)	5m,10m (customize)	5m,10m (customize)	5m,10m (customize)	5m,10m (customize)	5m,10m (customize)	10m (customize)	10m (customize)

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SUP-PH-5022

Jumo pH Sensor

FEATURE

Zero potential point: 7 ± 0.5 pH
Conversion coefficient: > 96%
Installation size: Pg13.5
Pressure: 1 ~ 6 Bar at 25°C
Temperature: 0 ~ 130°C for general cables

SUP-5022 tecLine electrodes are high-quality sensors for professional applications in process and industrial measurement technology. These electrodes are known for their use of top-quality materials and components. They are designed as combined electrodes (the glass or metal electrode and the reference electrode are combined in one shaft). A temperature probe can also be integrated as an option, depending on the type.

Measurement range	0 ~ 14pH
Temperature range	0 ~ 135°C
Pressure resistance	1.0MPa
Slope inclination	≥97% (25°C)
Zero potential point	E0=7pH±0.2

Thread	PG13.5mm
Body material	Glass
Cable length	5m,10m (customize)
Application	Electroplating, desulfurization, printing and dyeing, electronics, papermaking