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PH3500/PH5500 pH/ORP controller

It is suitable for accurate measurement of pH and redox potential in harsh climate and complex industrial environment.

Introduction:

- 128*64 dot matrix LCD display, switchable between Chinese and English, IP65 protection level, reliable operation in any climate
- Concise menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- Digital filter is adjustable, and the hardware anti-interference ability is enhanced, which makes the measurement more stable and adapts to the complex industrial environment
- Power supply 85~260VAC, DC 18~36VDC can also be customized
- RS-485 digital interface, MODBUS - RTU communication protocol, read-write duplex communication, which can realize complete remote control of the instrument
- Two measurement functions: PH measurement or ORP (Redox) measurement
- With antimony electrode function, it can be used in hydrofluoric acid environment

pH	Range	-2.00～16.00 pH
	Resolution	0.01 pH
	Accuracy	±0.01 pH
	Input resistance	≥1012 Ω
ORP	Range	-2000～2000 mV
	Resolution	1 mV
	Accuracy	±1 mV
Temp.	Range	-10.0～130.0 ℃
	Resolution	0.1 ℃
	Accuracy	±0.3 ℃
	Input type	PT1000
	TEMP compensation	Automatic/Manual
Transmission current	Output type	Two 4～20 mA (Corresponding range can be set)
	Accuracy	±1%FS
	Output load	Less than 500 Ω
Relay control	Function relay	1 （Can be set as cleaning or alarm function）
	Switch relay	2 SPST relays
	Load capacity	2.5A 230VAC
Data transmission	Transmission interface	1 RS485 Isolation voltage 2500Vrms
	Protocol	MODBUS-RTU (Read and write duplex communication)
Other parameters	Power supply	85～260VAC or 18～36VDC （User can order）
	Operating temperature	0～60℃
	Working humidity	Relative humidity < 90%
	Protection level	IP65
PH3500	Installation method	Dial installation
	Dimensions	(H×W×D) 108×108×132 mm
	Hole Size	92.5×92.5 mm （Positive tolerance）
PH5500	Installation method	Wall Mounting
	Dimensions	(H×W×D)158×188×108 mm

pH / ORP Sensor

CS1528	for HF containing media
CS1529	for Seawater & Seawater related
CS1543	for Strong acid/ alkaliand chemical process
CS1568	SNEX,for Sludge, Viscous Fluids, Paint, Sugar Process
CS1597	Non- aqueous media(organic phase)
CS1768	SNEX, for high pressure pipeline
CS1778	SNEX, for flue gas desulfurization process
CS1788	SNEX, for pure Water/ Low ion concentration water
CS1753	for Chemical Process
CS2543	CS2543 ORP, for general use
CS2733	CS2733 ORP, for general use
CS2768	CS2768 ORP, for complex industrial environment

7 Series
NPT 3/4 " threaded cap
5m wire /BNC
PP/PPS shell
IP68 protection grade
160* Φ 13mm
Temperature optional

5 Series
Pg13.5 threaded cap
5m wire /BNC
IP68 protection grade
120* Φ 13mm
Temperature optional

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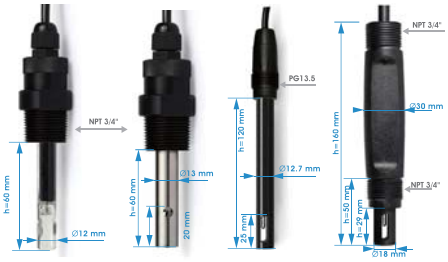

Conductivity/TDS/salinity/resistivity sensor

Model selection (5m line - extendable, PT1000 - optional 10K/2.252/PT100)

CS3500 K=1 1 μS/cm - 10 mS/cm Plating on glass
CS3501 K=1 1 μS/cm - 10 mS/cm graphite
CS3540 K=0.45 10 μS/cm - 500 mS/cm Quadrupole graphite
CS3740 K=0.45 10 μS/cm - 500 mS/cm Quadrupole graphite
CS3701 K=1 1 μS/cm - 10 mS/cm graphite
CS3700 K=1 1 μS/cm - 10 mS/cm Glass+Platinum
CS3510 K=10 10 μS/cm - 200.0 mS/cm Glass+Platinum plated+Titanium tube
CS3521 K=1 1 μS/cm - 10 mS/cm Glass+Platinum plated+Titanium tube
CS3522 K=0.1 0.1 - 100.0 μS/cm Pure titanium
CS3523 K=0.01 0.00 - 2.00 μS/cm Pure titanium

CON3500 Conductivity/TDS/Salinity controller

It is suitable for accurate measurement of conductivity, salinity, total solid dissolution in harsh climate and complex industrial environment.

Introduction:

- 128 * 64 dot-matrix LCD display, switchable in Chinese and English, IP65 protection level, all-weather stable operation
- simple menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- software digital filtering is adjustable, with enhanced hardware resistance to interference, making measurements more stable and adapted to complex industrial environments
- global access power supply 85~260VAC, but also customized DC model 18 to 36 VDC
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument
- Three measurement modes CON (conductivity) SAL (salinity) or TDS (total dissolved solids)

Conductivity	Range	0.000uS/cm～400.0mS/cm
	Resolution	0.001uS/cm～0.1mS/cm
	Accuracy	±0.5%F.S
	Electrode constant	K=0.01、0.1、1.0、10.0
	Reference temp.	15.0～35.0 ℃
	Temp. coefficient	0.00～4.00%
Salinity	Range	0.0～260.0 g/L
	Resolution	0.1g/L
	Accuracy	±0.5%F.S
TDS	Range	0.000mg/L～200.0mg/L
Total dissolved solids	Resolution	0.001mg/L～0.1mg/L
	Accuracy	±0.5%F.S
	TDS factor	0.40～1.00
Temperature	Range	-10.0～130.0 ℃
	Resolution	0.1 ℃
	Accuracy	±0.3 ℃
	Temp. input	PT1000
	Temp. compensation	Automatic/Manual
	Output type	wo 4～20 mA (Corresponding range can be set)
Transmission current	Accuracy	±0.5 %FS
	Output load	Less than 500 Ω
	Function relay	1 （Can be set as cleaning or alarm function）
Relay control	Switch relay	2 SPST relays
	Load capacity	2.5A 230VAC
	Transmission interface	1 RS485 Isolation voltage 2500Vrms
Data transmission	Protocol	MODBUS-RTU (Read and write duplex communication)
	Power supply	85～260VAC or 18～36VDC （User can order）
Other parameters	Operating temperature	0～60℃
	Working humidity	Relative humidity < 90%
	Protection level	IP65
CON3500	Installation method	Dial installation
	Dimensions	(H×W×D) 108×108×132 mm
	Hole Size	92.5×92.5 mm （Positive tolerance）
CON5500	Installation method	Wall Mounting
	Dimensions	(H×W×D)158×188×108 mm

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Replaceable membrance cap

Replaceable steel sand film head

Dissolved oxygen sensor

CS4551	400nA Polarographic	0 - 40 ppm
CS4751	400nA Polarographic	0 - 40 ppm
CS4763	80nA Polarographic	0 - 40 ppm
CS4773	80nA Polarographic	0 - 40 ppm

DO3500 Dissolved oxygen controller

It is suitable for accurate measurement and control of dissolved oxygen in all kinds of weather and complex industrial environment.

Introduction:

- 128 * 64 dot-matrix LCD display, switchable in Chinese and English, IP65 protection level, all-weather stable operation
- simple menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- software digital filtering is adjustable, with enhanced hardware resistance to interference, making measurements more stable and adapted to complex industrial environments
- global access power supply 85~260VAC, but also customized DC model 18 to 36 VDC
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument
- The is compatible with two types of electrodes, 400nA or 80nA

Oxygen concentration	Measuring range	0.00～40.00 m g/L
DO mg/L	Resolution ratio	0.01 m g/L
	Measurement accuracy	±0.05 m g/L
Oxygen content %	Measuring range	0.0～400.0 %
DO %	Resolution ratio	0.1 %
	Measurement accuracy	±0.5 %
Temperature	Measuring range	-5.0～105℃.0
	Resolution ratio	0.1℃
	Measurement accuracy	±0.3℃
	Temperature input	NTC22K
	TEMP compensation	Automatic / manual
Transfer current	Output, type	Two roads of 4~20 mA (the corresponding range can be set)
	Current accuracy	±1% F .S
	Output loading	less-than 500Ω
Control	Functional relay	One (which can be set to the cleaning or alarm function)
	Switch relay	2 SPST relays
	Load capacity	2.5A 230VAC
Data transmission	Coffret	All-way RS485 isolation voltage is 2500Vrms
	Protocol	MODBUS-RTU (read-write two-way communication)
Other parameters	Working power supply	85~260VAC or 18~36VDC (optional before order)
	Working temperature	0～60℃
	Work humidity	Relative humidity was <90%
	Levels of protection	IP65
DO3500	Way to install	Disk installation
	Outline dimension	(H×W×D) 108×108×132 mm
	Open hole size	92.5×92.5 mm (positive tolerance)
DO5500	Installation method	Wall Mounting
	Dimensions	(H×W×D)158×188×108 mm

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FCL3500 Residual chlorine / hypochlorite, pH controller

It is suitable for online measurement and control of disinfectant dosing in water industry, swimming pool, water park, secondary water supply and other fields. Disinfection of medical wastewater is not applicable due to complex components

Introduction:

- 128 * 64 dot-matrix LCD display, switchable in Chinese and English, IP65 protection level, all-weather stable operation
- simple menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- software digital filtering is adjustable, with enhanced hardware resistance to interference, making measurements more stable and adapted to complex industrial environments
- global access power supply 85~260VAC, but also customized DC model 18 to 36 V D C
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument
- The residual chlorine and pH two parameters were measured simultaneously, and the compensation was calculated automatically

Free Chlorine Sensor

CS5530 0 - 2.000 mg/L, 0 - 20.00 mg/L

A580L Flow cell (optional accessory)

Residual chlorine	Measuring range	0.00~20.00 mg/L
hypochloric acid	Resolution ratio	0.01 mg/L
	Measurement accuracy	±0.10 mg/L
pH value	Measuring range	0.00~14.00 pH
	Resolution ratio	0.01 pH
	Measurement accuracy	±0.01 pH
	Input impedence	≥1012Ω
Temperature	Measuring range	-10.0~130.0℃
	Resolution ratio	0.1℃
	Certainty of measurement	±0.3℃
	Temperature input	PT1000
	Temp. compensation	Automatic / manual
Transfer current	Output, type	Two roads of 4~20 mA (the corresponding range can be set)
	Current accuracy	±1% F .S
	Output loading	less-than 500Ω
Control	Functional relay	One (which can be set to the cleaning or alarm function)
	Switch relay	2 SPST relays
	load capacity	2.5A 230VAC
Data transmission	Interface Circuit	All-way RS485 isolation voltage is 2500Vrms
	Protocol	MODBUS - RTU (read-write two-way communication)
Other parameters	Working power supply	85~260VAC or 18~36VDC (optional before order)
	Working temperature	0~60℃
	Work humidity	Relative humidity was <90%
	Levels of protection	IP65
	Way to install	Panel mount
	Outline dimension	(H×W×D) 108×108×132 mm
	Open hole size	92.5 * 92.5 mm (positive tolerance)

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DOZ3500 Dissolved ozone controller

It is suitable for online measurement and control of water disinfection in the fields of tap water industry, swimming pool, water park, ozone generator, container disinfection in food and beverage industry, etc.Note that the generator that produces ozone disinfection by electrolytic water is not applicable.

Introduction:

- 128 * 64 dot-matrix LCD display, switchable in Chinese and English, IP65 protection level, all-weather stable operation
- simple menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- software digital filtering is adjustable, with enhanced hardware resistance to interference, making measurements more stable and adapted to complex industrial environments
- global access power supply 85~260VAC, but also customized DC model 18 to 36 V D C
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument

Dissolved ozone Sensor

CS6530 0 - 2.000 mg/L, 0 - 20.00 mg/L

A580L Flow cell (optional accessory)

Ozone	Measuring range	0.00～20.00 mg/L
	Resolution ratio	0.01 mg/L
	Measurement accuracy	±0.10 mg/L
Temperature	Measuring range	0.00～14.00 pH
	Resolution ratio	0.01 pH
	Measurement accuracy	±0.01 pH
	Input impedence	≥1012Ω
	Measuring range	-10.0～130.0℃
	Resolution ratio	0.1℃
	Certainty of measurement	±0.3℃
	Temperature input	PT1000
	Temp. compensation	Automatic / manual
Transfer current	Output, type	Two roads of 4～20 mA (the corresponding range can be set)
	Current accuracy	±1% F .S
	Output loading	less-than 500Ω
Control	Functional relay	One (which can be set to the cleaning or alarm function)
	Switch relay	2 SPST relays
	load capacity	2.5A 230VAC
Data transmission	Interface Circuit	All-way RS485 isolation voltage is 2500Vrms
	Protocol	MODBUS - RTU (read-write two-way communication)
Other parameters	Working power supply	85～260VAC or 18～36VDC (optional before order)
	Working temperature	0～60℃
	Work humidity	Relative humidity was <90%
	Levels of protection	IP65
	Way to install	Panel mount
	Outline dimension	(H×W×D) 108×108×132 mm
	Open hole size	92.5 * 92.5 mm (positive tolerance)

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DOZ5500 Dissolved ozone controller

It is suitable for online measurement and control of water disinfection in the fields of tap water industry, swimming pool, water park, ozone generator, container disinfection in food and beverage industry, etc.Note that the generator that produces ozone disinfection by electrolytic water is not applicable.

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- global access power supply 85~260VAC, but also customized DC model 18 to 36 V D C
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument

CS6530 Dissolved ozone Sensor

range	0 - 2.000 mg/L, 0 - 20.00 mg/L
resolving power	0.001 mg/L, 0.01 mg/L
temperature range	0 - 50 °C
pressure	0 -10 bar
Shell material	Glass+PP
Reference system	Double salt bridge reference system, ring type liquid junction
Electrode cap (PP)	PG13.5
Cable length	5m
Joint	Terminal
size	120mm Φ12.7mm

A580L Flow cell (optional accessory)

Ozone	Measuring range	0.00～20.00 mg/L
	Resolution ratio	0.01 mg/L
	Measurement accuracy	±0.10 mg/L
Temperature	Measuring range	0.00～14.00 pH
	Resolution ratio	0.01 pH
	Measurement accuracy	±0.01 pH
	Input impedence	≥1012Ω
	Measuring range	-10.0～130.0℃
	Resolution ratio	0.1℃
	Certainty of measurement	±0.3℃
	Temperature input	PT1000
	Temp. compensation	Automatic / manual
Transfer current	Output, type	Two roads of 4～20 mA (the corresponding range can be set)
	Current accuracy	±1% F .S
	Output loading	less-than 500Ω
Control	Functional relay	One (which can be set to the cleaning or alarm function)
	Switch relay	2 SPST relays
	load capacity	2.5A 230VAC
Data transmission	Interface Circuit	All-way RS485 isolation voltage is 2500Vrms
	Protocol	MODBUS - RTU (read-write two-way communication)
Other parameters	Working power supply	85～260VAC or 18～36VDC (optional before order)
	Working temperature	0～60℃
	Work humidity	Relative humidity was <90%
	Levels of protection	IP65
	Way to install	Wall Mounting
	Outline dimension	(H×W×D)158×188×108 mm
	Weight	0.7 Kg

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FCL5500 Residual chlorine / hypochlorite, pH controller

It is suitable for online measurement and control of disinfectant dosing in water industry, swimming pool, water park, secondary water supply and other fields. Disinfection of medical wastewater is not applicable due to complex components

Introduction:

- 128 * 64 dot-matrix LCD display, switchable in Chinese and English, IP65 protection level, all-weather stable operation
- simple menu design, simple and convenient operation, graphical prompt, beautiful and clear interface
- software digital filtering is adjustable, with enhanced hardware resistance to interference, making measurements more stable and adapted to complex industrial environments
- global access power supply 85~260VAC, but also customized DC model 18 to 36 V D C
- RS-485 digital interface, MODBUS-RTU communication protocol, read and write two-way communication, can achieve remote complete control of the instrument
- The residual chlorine and pH two parameters were measured simultaneously, and the compensation was calculated automatically

CS5530 Free Chlorine Sensor

range	0 - 2.000 mg/L, 0 - 20.00 mg/L
resolving power	0.001 mg/L, 0.01 mg/L
temperature range	0 - 50 °C
pressure	0 -10 bar
Shell material	Glass+PP
Reference system	Double salt bridge reference system, ring type liquid junction
Electrode cap (PP)	PG13.5
Cable length	5m
Joint	Terminal
size	120mm Φ12.7mm

A580L Flow cell (optional accessory)

Residual chlorine hypochloric acid	Measuring range	0.00～20.00 mg/L
	Resolution ratio	0.01 mg/L
	Measurement accuracy	±0.10 mg/L
pH value	Measuring range	0.00～14.00 pH
	Resolution ratio	0.01 pH
	Measurement accuracy	±0.01 pH
	Input impedence	≥1012Ω
Temperature	Measuring range	-10.0～130.0℃
	Resolution ratio	0.1℃
	Certainty of measurement	±0.3℃
	Temperature input	PT1000
	Temp. compensation	Automatic / manual
Transfer current	Output, type	Two roads of 4~20 mA (the corresponding range can be set)
	Current accuracy	±1% F .S
	Output loading	less-than 500Ω
Control	Functional relay	One (which can be set to the cleaning or alarm function)
	Switch relay	2 SPST relays
	load capacity	2.5A 230VAC
Data transmission	Interface Circuit	All-way RS485 isolation voltage is 2500Vrms
	Protocol	MODBUS - RTU (read-write two-way communication)
Other parameters	Working power supply	85～260VAC or 18～36VDC (optional before order)
	Working temperature	0～60℃
	Work humidity	Relative humidity was <90%
	Levels of protection	IP65
	Way to install	Wall Mounting
	Outline dimension	(H×W×D)158×188×108 mm
	Weight	0.7 Kg