



Water Analysis Instrument And Sensor



Shanghai Boqu Instrument Co., Ltd .

Company Introduction

Shanghai Boqu Instrument Co.,Ltd was established in 2007, and located in Kangqiao Town Pudong New Area Shanghai. We are the professional manufacturer of electrochemical instrumentation and electrode combine with the R&D, production and sales. The main products include pH, conductivity, dissolved oxygen, ORP, ion concentration, turbidity, alkali acid concentration and electrode etc.

Our company focus on product quality and after-sales service, adhere to the quality principle of "Aspiring excellence, Creating perfect", obedience to the work style of "Integrity rigorous, Pragmatic and Efficient" , to promote "Innovation, Development and Win-Win " spirit of enterprise, with advanced technology and equipment, professional technology as the foundation, high-quality products and perfect after-sales service won the trust of our customers and partners!





Office Area



Instrument Workshop



Electrode Workshop



Foreign customer visiting

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Industrial Online pH Meter



pHG-3081B



pHG-3081



pHG-2091

Model	pHG-3081B	pHG-3081	pHG-2091
Measure range	0-14pH		
Temperature compensation	0-150°C		0-99°C
Accuracy	± 1%FS		
Resolution	0.01pH;0.1°C; 0.1mV		0.05pH,±0.3°C
Communication interface	RS485 (Optional)		
Output signal	0-10mA (load<1.5kΩ) 4-20mA (load<750Ω)	0-10mA (load<1.5kΩ) 4-20mA(load<750Ω) (double-current output for option)	4-20mA isolated protection output, dual current output
Alarm relay	AC 220V, 3A		Max. 240V, 5A(AC); Min. 115V, 10A(AC)
Power supply	AC220V±22V, 50Hz±1Hz;	AC 220V±22V, 50Hz±1Hz, 24VDC(Optional)	220V±22V, 50Hz±0.5Hz
Protection grade	IP65	IP65 (aluminium shell)	IP54
Saving time of data	10 years		
Overall dimension	220x190x130mm	146x146x150mm	96x96x135mm;
Dimension of the hole	None	138x138mm	92x92mm
Installation	Wall hanging	Wall hanging/ Flushbonading type	Flushbonading type
Working condition	Ambient temp.: 0-60°C;		Relative humidity <90%
Application	Thermal power plant/Chemical fertilizer/Chemical industry/Metallurgy/ Environmental protection/Pharmacy manufacturing/Biochemistry/Foodstuff/ Running water		

Industrial Online High Temperature/Desulfurization pH Electrode



CPH805 Sheath

Sheath CPH806

CPH600

CPH809X

Model	CPH805	CPH806	CPH600	CPH809X
Measuring Range	0-14pH			
Temperature Range	0-130°C		0-95°C	
Max. Pressure	0.6Mpa (sheath)	0.6Mpa (sheath)	0.4Mpa (sheath)	0.6Mpa
Connection	S7 and PG13.5 thread		BNC(Q9),Y plate	Upper and lower 3/4 NPT Pipe Thread
Dimension	12x120,150,210,320mm		12x120,150,210mm	35x350mm
Housing Material	GLASS			PPS
Application	Bio-engineering/ Pharmaceutical industry/ Beer industry/ Food and beverages	Chemical medicine/ Chrome-removing line/ Pigments/ Plup mills/ Starch/ Mud/ Sugar/ High viscosity suspensions/ Emulsions/ The solution containing proteins etc.	Chemical medicine online monitoring/ Chrome -removing line/ Dyes/ Pigments/ Mining/ Pulp mills/ Starch/ Mud/ Sugar/ High viscosity Suspensions/ Emulsions/ The solution containing proteins/etc.	All kinds of industrial wastewater treatment / Environmental protection water treatment / Fule gas desulfurization

Industrial Online Pure Water pH Electrode



PH8000

PH8022

GPE800/801

SYM300

E-201

Model	PH8000	PH8022	GPE800/801	SYM300	E-201
Measure range	0-14pH				
Temperature range	0-80°C	0-85°C	0-60°C	0-80°C	0-60°C
Pressure	0.6Mpa			/	
Slope	≥96%			≥97%(25°C)	
Zero potential	E0=7H±0.3				
Thread	Rotary locking type and tail 3/4 thread	Upper and Lower 3/4 NPT Pipe thread	S7 and PG13.5 thread 12 x 120mm	BNC	BNC
Housing Material	PPS/PC/PTFE	PPS/PC/PTFE	GLASS	GLASS	PC
Application	Pure water treatment water such as thermal power plant			Lab pH Electrode	

Industrial Waste water pH/ORP Electrode

**PH8011****PH8012****PH8083****GPE200/100**

Model	PH8011	PH8012	PH8083	GPE200	GPE100
Measure range	0-14pH		±2000mV	0-14pH	
Temperature range	0-85℃				
Max. pressure	0.4Mpa				
Sensing face material	Antimony	Glass Ball	Platinum	GLASS	
Housing material	PPS/PC/PTFE			GLASS	
Thread	Upper and lower 3/4 NPT Pipe thread			PG13.5 Thread	
Remark	Lower-noise cable			Special waterproof connector	
Application	Thermal power plant/Chemical fertilizer/Chemical industry/Metallurgy/ Environmental protection/Pharmacy manufacturing/Biochemistry/ Foodstuff/Running water				

Industrial Online Dissolved Oxygen Meter



DOG-3082B



DOG-3082



DOG-2092

Model	DOG-3082B	DOG-3082	DOG-2092
Measure range	0-100 μ g/L;0-20mg/L;0-60%		0-20mg/L
Temperature compensation	0-60 $^{\circ}$ C		
Resolution	0.1 μ g/L;0.01mg/L;0.1 $^{\circ}$ C		0.01mg/L; 0.1 $^{\circ}$ C
Accuracy	μ g/L: \pm 1.0%FS mg/L: \pm 0.5%FS Temp : \pm 0.5 $^{\circ}$ C		\pm 1.5%FS
Communication interface	RS485 (Optional)		
Output signal	0-10mA(load<1.5k Ω) 4-20mA(load<750 Ω)	0-10mA(load<1.5k Ω) 4-20mA(load<750 Ω) (double-current output for option)	4-20mA isolated protection output, Can double the current output.
Alarm relay	AC 220V, 3A		Max. 230V, 5A(AC); Min. 115V, 10A(AC)
Power supply	AC 220V \pm 22V, 50Hz \pm 1Hz	AC 220V \pm 10%, 50Hz \pm 1Hz, 24VDC (Optional)	AC 220V \pm 10%, 50/60Hz
Protection grade	IP65	IP65 (aluminium shell)	IP54
Saving time of data	10 years		
Overall dimension	220x190x130mm	146x146x150mm	96x96x135mm;
Dimension of the hole	None	138x138mm	92x92mm
Installation	Wall hanging	Wall hanging/ Flushbonading type	Flushbonading type
Working condition	Ambient temp.: 0-60 $^{\circ}$ C; Relative humidity <85%		Ambient temp.: 5-45 $^{\circ}$ C; Relative humidity <85%
Application	Thermal power plant/Chemical fertilizer/Chemical industry/ Metallurgy/Environmental protection/Pharmacy manufacturing/ Biochemistry/Foodstuff/Running water		

PPB Grade Industrial Online Dissolved Oxygen Electrode



DOG-208F

DOG-208FA Φ12

DOG-208FA Φ25

(Polarographic Electrode)

Model	DOG-208F	DOG-208FA (High Temperature)
Measure range	0-100μg/L;0-20mg/L	
Temperature	0-60℃	0-130℃
Polarization time	>8hours	
Polarization voltage	0.7V	
Accuracy	±1ppb	± 0.1ppb
Drift	<3%/ month	
Zero oxygen	<5ppb(60min)	
Cathode/Anode	Platinum/Ag/AgCl	
Membrane	Silicone rubber permeable	
Housing material	316L stainless steel	
Air current	50-80nA / (Max current is 20-25μA)	60nA
Temperature compensation resister	PT100/PT1000/22K/2.252K/etc.	PT1000
Electrolyte	KCL	
Calibration	60days	
Electrode life	3years	
Cable	5m/10m/20m	
Application	Thermal power plant Desalted water Boiled water etc. Trace oxygen	Microbial cultivation reactor Biological fermentation tank

PPM Grade Industrial Online Dissolved Oxygen Electrode



DOG-209F

DOG-209FA Grit mesh metal membrane

(Polarographic Electrode)

Model	DOG-209F	DOG-209FA
Measure range	0-20mg/L	
Temperature	0-60°C	
Polarization time	60min	
Polarization voltage	0.7V	
Accuracy	<±0.01mg/L	
Drift	<2%/ month	
Zero oxygen	<0.1mg/L	
Membrane thickness	50µm	100µm
Housing material	316L stainless steel /PVC	
Output current	50-80nA / 0.1ppm (Max current is 3.5µA)	
Temperature compensation resister	PT100/PT1000/22K/2.252K/etc.	
Calibration	60days	
Electrode life	2 Years	
Cable	5m/10m/20m	
Application	It suitable for harsh enviromnet Urban sewage treatment Industrial wastewater treatment Aquaculture Environmental monitoring	

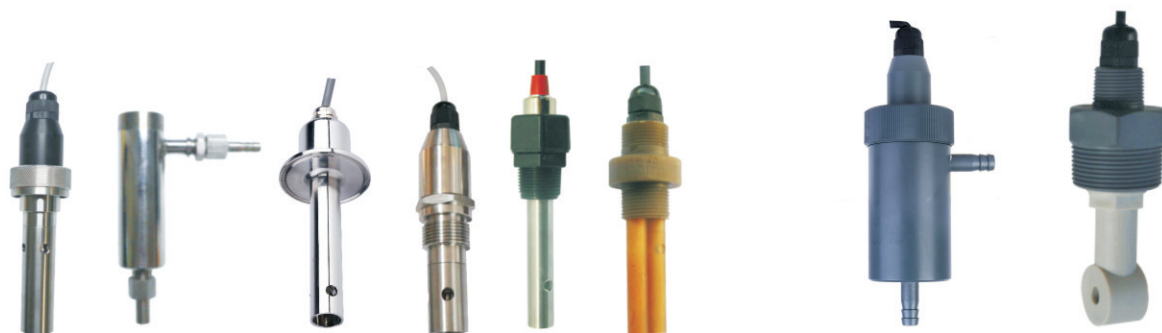
Industrial Online Conductivity Meter

**DDG-3080B****DDG-3080****DDG-2090**

Model	DDG-3080B	DDG-3080	DDG-2090
Measure range	0.01-200 μ S/cm (k=0.01) 0.1-2000 μ S/cm (k=0.1) 1.0-20 mS/cm (k=1.0) 10-200mS/cm (k=10.0)	0.01-20 μ S/cm (K=0.01) 0.1-200 μ S/cm (K=0.1) 1.0-2000 μ S/cm (K=1.0) 10-20000 μ S/cm (K=10.0) 30-600.0mS/cm (K=30.0)	0-19.99M Ω (K=0.01) 0.1-200 uS/cm (K=0.1) 1.0-2000 us/cm (K=1.0) 10-20000uS/cm (K=10.0)
Temperature compensation	0-150 $^{\circ}$ C	0-199 $^{\circ}$ C	0-99 $^{\circ}$ C
Resolution:	0.01 uS /cm, 0.01 M Ω		
Accuracy:	\pm 2%FS		
Communication interface	RS485 (Optional)		
Output signal	0-10mA (load<1.5k Ω) 4-20mA (load<750 Ω)	0-10mA (load<1.5k Ω) 4-20mA (load<750 Ω) (double-current output for option)	4-20mA isolated protection output, Can double the current output.
Alarm relay	AC 220V, 3A		Max. 230V, 5A(AC); Min. 115V, 10A(AC)
Power supply	AC 220V \pm 22V, 50Hz \pm 1Hz	AC 220V \pm 22V, 50Hz \pm 1Hz, 24VDC (Optional)	AC 220V \pm 22V, 50Hz \pm 1Hz
Protection grade	IP65	IP65	IP54
Saving time of data	10 years		
Overall dimension	220x190x130 mm	146x146x150 mm	96x96x135mm;
dimension of the hole	None	138x138mm	92x92mm
Installation	Wall hanging	Wall hanging/ Flushbonading type	Flushbonading type
Working condition	Ambient temp.: 0-60 $^{\circ}$ C; Relative humidity <85%		Ambient temp.: 5-45 $^{\circ}$ C Relative humidity <85%
Application	Thermal power plant/Chemical fertilizer/Chemical industry/Metallurgy/ Environmental protection/Pharmacy manufacturing/Biochemistry/Foodstuff/ Running water		

Industrial Online Inductive Conductivity Electrode

Measure range	0-10ms,/0-20ms/0-200ms/0-2000ms 0-10% HCL/NaOH ;0-10% NHO ₃ acid; 0-30% H ₂ SO ₄
Accuracy	± 0.5%
Electrode materials	PP, ABS, PTFE (Optional)
Maximum pressure	1.6MPa
Pipe threads 1 1/2 or 3/4 NPT	1 1/2 or 3/4 NPT
Installation	Flow-through, Pipeline, Submerged



Compression-type

Pipe thread-type K=10.0

Inductive Conductivity Electrode

Industrial Online Conductivity Electrode

	Compressive strength	Measuring range	Connection	Material	Application
K=0.01	0.6MPa	0-20uS/cm	Pipes/hoses/flanged pipes, etc. Diameter:Φ6,Φ8, Φ14, etc.	316L Titanium alloy	Power plant water Treatment industry
K=0.1	0.6MPa	0-200uS/cm	Pipes/hoses/flanged pipes, etc. Diameter: Φ6,Φ8, Φ14, etc.	316L Titanium alloy	Power plant water Treatment industry
K=1.0	0.6MPa	0-2000uS/cm	1/2 or 3/4 Thread Installation	316L Titanium Alloy and platinum	Water treatment industry
K=10.0	0.6MPa	0-20000uS/cm	1/2 or 3/4 Thread Installation	Polysulfone and platinum	Water treatment industry
K=30.0	0.6Mpa	30-600mS/cm	3/4 Thread Installation	Polysulfone	Acid cleaning

Industrial Online Turbidity Meter



Model	ZDYG-2088Y/T	ZDYG-3087
Measure range	0-20NTU/0-100NTU/0-200NTU/0-500NTU/0-3000NTU/ 0-1000mg/L/0-50000mg/L	
Resolution	0.001NTU;0.01NTU;0.1NTU;1NTU;0.1mg/L;1mg/L	
Accuracy	±1%	
Current output	4-20mA	
Alarm relay	AC220V,7A	
Communication Interface	RS485(Optional)	
Power supply	AC 220V±22V, 50Hz±1Hz, 24VDC±2.4(Optional)	
Protection grade	IP65	
Shell	ABS	Aluminium
Overall dimension	146x146x108mm	146x146x150mm
Dimension of the hole	138x138mm	
Installation	Wall hanging/ Flushbonading type	
Working condition	Ambient temp.: 0-60°C; Relative humidity <90%	
Application	Water plant/Thermal power plant/ Pharmacy/Hospital	

Industrial Online Turbidity/Sludge Electrode



Sludge Concentration Sensor



Turbidity Sensor



ZDYG-2088Y

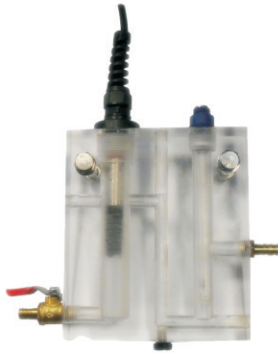
Automatic Cleaning Brush Every 30mins

Model	ZDYG-2088	ZDYG-2088Y
Measure range	Turbidity Sensor 0-100NTU/0-500NTU/0-3000NTU Sludge Concentration Sensor 0-1000mg/L/0-50000mg/L	0-20NTU;0-200NTU
Suitable temperature	5-60℃	0-50℃
Resolution	0.01NTU/0.1mg/L	0.01NTU
Accuracy	<FS (Full scale) ± 2%	<FS (Full scale) ± 1%
Inlet pressure	0.1MPa	/
Output signal	4-20mA	/
Reproducibility	<FS± 1%	<FS± 1%
Hourly drift	<0.1NTU	<0.1NTU
Sensor material	316L stainless steel	ABS
Power supply	12V	/
Power consumption	<25W	<25W
Dimension	Φ 32 x163mm ; Φ 48 x155mm (Not including the suspension attachment)	/
Weight	3kg	5kg
Deepest depth	Underwater 2 meters	/
Relative humidity	<70% RH	<70%RH

Industrial Online Residual Chlorine Meter and Electrode



YLG-2058 Flow-through installation, inlet and outlet at $\Phi 10$



YLG-2058-01

It can measure Residual Chlorine, pH and Temperature at the same time .

Model	YLG-2058
Measure range	0-20mg/L
HOCL	0-10mg/L
pH	0-14pH
Temperature	0-99.0°C
Current output	4-20mA(load<750Ω)
Alarm relays	220V,7A
Power supply	AC 220V±22V, 50Hz±1Hz, 24VDC (Optional)
Communication interface	RS485(Optional)
Protection grade	IP65
Overall dimension	146x146x108mm
Dimension hole	138x138mm
Working condition	Ambient temp.: 0~60°C; Relative humidity <85%
Application	Power plant/Water plant/ Hospital/etc.

Model	YLG-2058-01 (MEMBRANE PRINCIPLE)
Measure range	0.005-20mg/L
Accuracy	±1%
Storage temperature	-20-60°C
Operation temperature	0-45°C
Sample temperature	0-45°C
HOCL response time	90%<9 second
Calibration method/interval	Laboratory comparison method per 2 months
Maintenance	Replace membrane and electrolyte per 6 months

Industrial Online Residual Chlorine Meter and Electrode



CL-2059



CL-2059-01



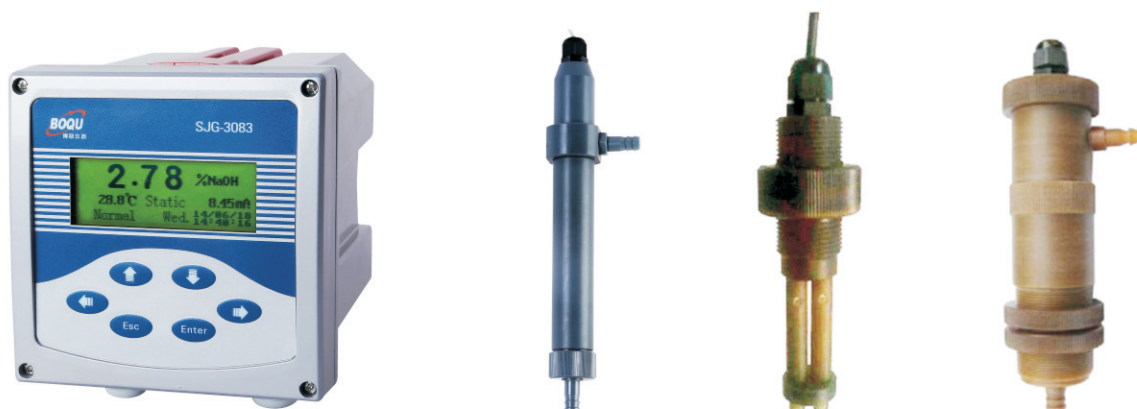
CL-2059A

CONSTANT VOLTAGE PRINCIPLE

Model	CL-2059	CL-2059A
Measure range	0-2mg/L;0-20mg/L(Switched to each other)	
Temperature	0-99.9℃	
Resolution	0.01mg/L;0.1℃	
Accuracy	±1%	
Min. detection	0.01mg/L	
Repeatability chlorine	±0.01mg/L	
Stability chlorine	±0.01mg/L/24h	
Current output	4-20mA	4-20mA(load<750Ω)
Alarm relay	220V,7A	220V,5A
Communication interface	RS232 (Optional)	RS485 (Optional)
Overall dimension	96x96x170mm	96x96x118mm
Dimension hole	92x92mm	92x92mm
Working condition	Ambient temp.: 0-60℃; Relative humidity <90%	
Application	Water supply/drinking water/ water purification/Industrial pure water/ swimming pool disinfection/etc.	

Model	CL-2059-01
Housing material	Glass
Electrode top material	Platinum in glass bulb
REF Electrode	Gel with annular contacts
Working pressure	0.1MPa
Dimension	12x110mm

Industrial Online Acid and Alkali Meter and Electrode



Model	SJG-3083
Measure range (Concentration)	0-10%HCL; 0-10%NaOH; 0-30%H ₂ SO ₄ ; 0-20%NaCL; 0-10%HNO ₃ ;
Temperature	0-99.9°C
Resolution(Concentration)	±2% (the error may be less than 0.05% after usual point calibration);±0.5°C
Communication interface	RS485 (Optional)
Output signal	4-20 mA(load <750Ω)
Alarm relay	AC220V, 3A
Power supply	AC220V±22V, 50Hz±1Hz,24V DC(Optional)
Protection grade	IP65, Aluminium shell
Saving time of data	10years
Overall dimension	146x146x150mm
dimension of the hole	138x138mm
Installation	Wall hanging/ Flushbonading type
Working condition	Ambient temperature: 0-60°C; relative humidity <85%
Application	Thermal power plants/chemical industry/concentration of the regenerated liquid in high-purity water preparation process by means of ion exchange /in the pickling solutions for clean boilers and pipelines.
Electrode material	High resistance against strong acid/alkali
Electrode constant	K=30
Max pressure	0.3Mpa
Connection	Direct lead /Aviation plug
Application	Power plant/Chemical industry/Regeneration of ion exchange resin

Industrial Online Ion Meter and Electrode



LZG-3086



Chlorine Ion Electrode



Fluoride Ion Electrode

Model	LZG-3086
Measure range	0.2 μ g/L-5000mg/L
Temperature	0-99.9 $^{\circ}$ C
Resolution	0.1 μ g/L;0.1 $^{\circ}$ C
Accuracy	\pm 2.5%; \pm 2 $^{\circ}$ C
Communication interface	RS485 (Optional)
Output current	0-10mA (load<1.5k Ω) 4-20mA (load<750 Ω)
Alarm relay	AC220V, 3A
Power supply	AC220V \pm 22V, 50Hz \pm 1Hz,24V DC (Optional)
Protection grade	IP54, Aluminium shell
Ion type	F ⁻ CL ⁻ Mg ²⁺ Ca ²⁺ NO ³⁻ NH ⁺ etc .
Overall dimension	146x146x150mm
Dimension of the hole	138x138mm
Installation	Wall hanging/ Flushbonading type
Working condition	Ambient temperature: 0-60 $^{\circ}$ C; relative humidity <85%
Application	Occasioin of containing fluoride ion

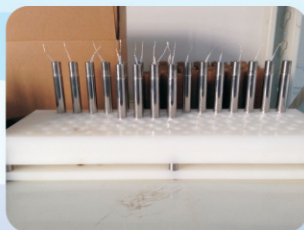
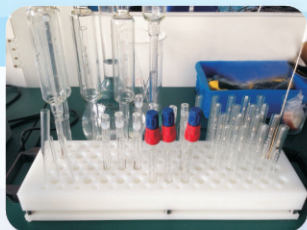
Model	LZ-2086
Measure range	0.2 μ g/L-5000mg/L
Temperature range	0-99.9 $^{\circ}$ C
pH range	5-10 pH
Auto temperature compensation range	0-99.9 $^{\circ}$ C with 25 $^{\circ}$ C as REFE temperature
Resist	PT100/PT100/2.252K/10K
Interference ions	F ⁻ CL ⁻ Mg ²⁺ Ca ²⁺ NO ³⁻ NH ⁺ etc .
Blank potential	> 200mV(deionized water)
Electrode length	195mm
Housing material	PPS
Electrode thread	3/4 pipe thread (NPT)
Cable	5m/10m

BOQU Culture



**Efficiency achieves the brand,
Integrity cast the future!**





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