



Electrochemical & Water Quality Analyzer

Variety & Reliability

PEAK Instruments Inc.

About Us

PEAK Instruments Inc. is located in Houston, TX-77084, where our warehouse and service center are also located, which is a high tech enterprise integrated with R&D, production, sales and service of spectrophotometers, pH/conductivity/DO/ion meter, electrode, colorimeter and turbidity meter, which have wide applications in the following areas: metallurgy, pharmacy, food, health, institutes, biological chemistry, life science, petrochemical industry, quality control, environmental protection, electro-chemistry and water quality analysis, etc..

We adopt the newest microcomputer technology and electronic control system, optimize optical system and structure which can both extend new functions and ensure the accuracy, sensitivity, stability and durability. We have full ranges of spectrophotometers like UV, visible, single beam, double beam, adjustable slit, xenon and big capacitive touch screen with high resolution (1024*600) and high sensitivity, and many kinds of electrochemical & water quality analyzers.

We have professional teams for management, R&D, production, QC, sales and technical support, which make sure to provide excellent products, good prices and efficient service for our global customers. Our factory has obtained 46 patents and CE, ISO9001, ISO14001 certificates driven by innovation and joint efforts of all staff.

We continuously absorb new ideas, promote product quality and improve our service in accordance with the concept of Innovation, quality and service. We have a steady growth and good reputations in the markets all over the world, like USA, Mexico, Argentina, Chile, Russia, Spain, India, Thailand, UAE, Turkey and South Africa.



- ◆ Our Promise
Answer customers and provide solutions within 24 hours.
- ◆ Our Mission
Provide high quality products and services.
- ◆ Our Vision
To be a well-known brand for analytical instruments.

PEAK Instruments Inc. looks forward to cooperating with you.

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T-710 Series PH meter



Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- English and Chinese operating system, humanized design with adjustable screen brightness. System language can be customized according to specific requirements.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Big built-in memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Can set up pH measurement modes of high purity water and pure water with ammonia to meet the requirements of power, petrochemical and other industries (only for model T-710P).
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffers for option: Europe & USA series, NIST series and China series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 dustproof and waterproof housing

T-710 Series PH meter

Specifications

MODEL	T-710L		T-710P	T-710H
Description	General laboratory bench pH meter, suitable for measuring moderate ionic strength solutions, such as surface water, lake water and industrial waste water. It can be used in most of the areas related to water quality analysis.		Measure pH value of high purity water in power, petrochemical and other industries.	High precision laboratory bench pH meter, suitable for measuring solution of weak ionic strength, turbid liquid and colloidal solutions. It can be used in the high-precision pH measurements, such as scientific research, quality control, biotechnology, fine chemicals and acid-base titration.
Display	7-inch capacitive touch screen with resolution 1024*600			
pH	Measurement range	(-2.00 ~ 19.99)pH	(-2.00 ~ 19.99)pH	(-2.000 ~ 19.999)pH
	Resolution	0.1/0.01 pH	0.1/0.01 pH	0.1/0.01/0.001 pH
	Accuracy	±0.02 pH	±0.02 pH	±0.01pH
	Input current	≤1×10 ⁻¹² A	≤1×10 ⁻¹² A	≤1×10 ⁻¹² A
	Input impedance	≥1×10 ¹² Ω	≥1×10 ¹² Ω	≥1×10 ¹² Ω
	Stability	±0.01 pH/3h	±0.01 pH/3h	±0.01 pH/3h
	Temperature compensation	(0 ~ 100)℃(auto or manual)	(0 ~ 100)℃(auto or manual)	(0 ~ 100)℃(auto or manual)
mV	Measurement range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV		
	Resolution	0.1mV		
	Accuracy	±0.03% FS		
Temperature	Range	-10℃ ~ 110℃		
	Resolution	0.1℃		
	Accuracy	±0.5℃		
Calibration		Automatic (1, 2, 3 points) Europe & USA, NIST and China standards		
Others	Data storage	1000 sets		
	Power	DC12V/1A		
	Communication interface	USB(A), USB(B) , Wireless Bluetooth module		
	Dimensions & Weigh	240×170×70mm/600g		
Working Conditions	Temperature	15 ~ 30℃		
	Humidity	≤85%		
	IP grade	IP54		

Standard Configuration

1.pH meter	1 unit
2.Composite electrode	1 pc
3.Rotary electrode holder	1 pc
4.pH calibration buffer	1 set
5.12V power adapter	1 pc
6.Brief operating manual	1 copy
7.USB flash drive	1 pc

T-711 Series Conductivity Meter



Main Features

- 7 inch colored high resolution(1024*600) capacitive touch screen, high sensitivity, complete parameter display, intuitive, easy to use and simple.
- Meter meets with the requirement of international GLP standards. Its features up to automatic calibration, automatic temperature compensation, data storage, USB output, clock display, wireless print,function setting and self-diagnose etc.
- Built-in bilingual operating system in Chinese and English, humanized operation design, instrument brightness, three shift resolution selectivity.
- Built-in mass storage can store 1000 sets of measurement data, data can be stored through USB storage &transfer data, stored data can be opened by the general office software EXCELL, more convenience for customers to edit.
- Automatically recognize 8 kinds of conductivity standard solution. User can choose anyone from two series of solutions: Europe & USA series and China series
- Instrument standard Bluetooth module, support wireless Bluetooth printing, convenient user operation. Optional support wireless Bluetooth to mobile phone computer data transmission
- Adopt advanced and original conductivity measurement technology, use 1 pc of conductivity electrode (K=1), it can meet measuring accuracy requirement for range within 0.5 μ S/cm ~ 200mS/cm by using only one-point calibration.
- Ability to switch among conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Automatic temperature compensation conductivity electrode , Its measurement result is fast and precise.
- Can intelligently judge the electrode status to ensure that the customer is accurate and applicable.
- Dustproof and waterproof meter meets IP54 standards.

T-711 Series Conductivity Meter

Specifications

MODEL	T-711L	T-711H	T-711P	T-711C
Description	Lab conductivity meter. Measure the conductivity of common water solutions, especially widely used in the areas of education and scientific research.	High precision conductivity meter. Suitable for high precision conductivity measurement in scientific research, quality control, biotechnology and fine chemistry industry.	High purity water conductivity meter. Measure the conductivity of reverse osmosis water, distilled water and high purity water in power plants, microelectronics and pharmaceutical industries	High concentration conductivity meter
Measuring range	Conductivity: (0.00~20.00) μS/cm (20.0~200.0) μS/cm (200~2000)μS/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm Resistivity: (0 ~ 100) MΩ·cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt	Conductivity: (0.00~20.00) μS/cm (20.0~200.0) μS/cm (200~2000)μS/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm Resistivity: (0 ~ 100) MΩ·cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt		
Resolution	0.01/0.1/1μS/cm 0.01/0.1mS/cm			
Accuracy	Electrode: ±1.0% FS, Instrument: ±1.50%FS	Electrode: ±0.5% FS Instrument: ±1.00%FS		
Temp compensation range	(0 ~ 50) ℃ (Automatic)			
Electrode constant	0.1/1/10 cm ⁻¹			
Temp.Measuring range	-10℃~ 110℃			
Resolution	0.1℃			
Accuracy	5 ~ 60℃:±0.5℃ Others:±1.0℃	5 ~ 60℃:±0.3℃ Others:±0.5℃		
Data storage	1000 sets			
Storage content	Measurement series number, measuring value, temperature, ATC or MTC status, date and time			
Power	DC12V/1A			
Communication connectors	Wireless Bluetooth, USB			
Dimensions & Weight	240 × 170 × 70mm/600g			
Ambient temperature	5 ~ 35℃			
Ambient humidity	≤80%			
IP grade	IP54			

Standard Configuration

1. Standard Accessories:

- | | |
|--|-----------|
| 2. T711 conductivity meter | 1 unit |
| 3. Standard electrode(T-710L,T-710H) | 1 pc |
| 4. DJS-1 Pt black conductivity electrode(T-710P,T-710C) | 1 pc |
| 5. DJS-0.1 conductivity electrode (k=0.1) (T-710P) | 1 pc |
| 6. DJS-10 conductivity electrode (k=10) (T-710C) | 1pc |
| 7. All direction rotary electrode holder | 1 pc |
| 8. 1408 $\mu\text{S/cm}$ standard conductivity solution (50mL) | 2 bottles |
| 9. 146.6 $\mu\text{S/cm}$ conductivity calibration solution (50ml) (T-710P,T-710C) | 1 bottle |
| 10. 12V power adapter(for instrument) | 1 pc |
| 11. Instruction manual | 1 copy |

T-712 Lab DO Meter



Laboratory bench Dissolved Oxygen meter, which is suitable for aquaculture, water source monitoring, waste water treatment and environmental protection monitoring and other industries, also widely used in education and scientific research fields.

Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system, humanized design with adjustable screen brightness and resolution(-three options).
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission via wireless Bluetooth.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- IP54 dustproof and waterproof.
- Optional real time data transmission to Android cell phone via wireless Bluetooth.
- Bench DO meter is polarographic instrument and suggested to be used with our magnetic stirrer.

Specifications

MODEL	T-712
Display	7-inch capacitive touch screen
Parameters	Concentration, Saturation, Temperature
DO Range	0.00 ... 90 mg/L (ppm)
Resolution	0.01/0.1
DO Accuracy	± 0.5%
DO Saturation	0.0 ... 600%
Saturation Resolution	0.1%
Saturation Accuracy	±2.0%FS
Temperature Measuring Range	(-10 ~ 110) °C
Temperature Resolution	0.1 °C
Temperature Accuracy	±0.1 °C
Temperature compensation range	(0 ~ 45) °C (automatic)
Salinity compensation range	(0.0 ~ 50.0) g/L
Air pressure compensation range	(80 ~ 105) kPa (automatic)
Air pressure resolution	1
Air pressure Accuracy	± 2%
Stability	(±0.07mg/L)/1h
Response time	≤30s (25 °C, 90% response)
Data Storage	1000 sets, USB for huge storage
Communication Interfaces	USB, Bluetooth
Working Conditions	Temperature: 5-40° Humidity: 5-85%
Power Requirements	12V1A (with power adapter)
Size & Weight	240 x 170 x 70mm/600g

Standard Configuration

- | | |
|---|----------|
| 1. T712 DO Meter | 1 unit |
| 2. DO500 Dissolved Oxygen Electrode | 1 pc |
| 3. Rotary electrode holder | 1 pc |
| 4. 12V power adapter for instrument | 1 pc |
| 5. DO503 membrane cap (for DO electrode) | 3 pcs |
| 6. DO502 inner solution for DO electrode (30ml) | 1 bottle |
| 7. Brief operation manual | 1 copy |

T-713 Series Ion Concentration Meter



Main Features

- Test ions in aqueous solutions with the features of simple sample process, quick and accurate measurements.
- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system, humanization design with adjustable screen brightness.
- Big built-in memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Can test electric potential, pH, pX, ORP, ion concentration and temperature
- Quick switch between different units: $\mu\text{g/L}$, mg/L , g/L , mol/L , mmol/L , PX.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: Europe & USA series, NIST series and China series.
- Smart judge of electrode status to ensure accurate use for operators.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.

Description	Model	Applications
Fluoride ion meter	T-713F	Test and analysis of the fluoride in drinking water, surface water, sea water, living sewage and industrial wastewater and the fluorine ion in mineral , organic, and biological materials.
Sodium ion meter	T-713Na	Suitable for measurement of sodium ion and pH value in natural water, boiler water and industrial drainage, especially for the quality monitoring of high purity water in power plant.

T-713 Series Ion Concentration Meter

Description	Model	Applications
Chloride ion meter	T-713Cl	Measure chloride ion and pH value in drinking water, food and sewage.
Calcium ion meter	T-713Ca	Test calcium ion and pH value of water solutions. Widely used in the analysis and research of water quality, biochemistry and biomedicine.
Bromide ion meter	T-713Br	Test bromide ion and pH value in drinking water, food and sewage.
Nitrate ion meter	T-713NO	Test nitrate ion and pH value in drinking water, food and sewage.
Potassium ion meter	T-713K	Measure potassium ion and pH value in drinking water, food and sewage.
Ammonia Ion Meter	T-700NH	Test ammonia & nitrogen and pH value in drinking water, food and sewage.
Copper ion meter	T-713Cu	Test copper ion and pH value in food, beverage, electroplating industry and sewage.
Iodide ion meter	T-713I	Test iodide ion and pH value in drinking water, food and sewage.

Specifications

Instrument grade		0.001
Measurement Range	pH/pX	(-2.000~20.000) pH, (0.000~14.000) pX
	mV	(-1999.9~1999.9) mV
	concentration	(0~19990), optional units: pX, mol/L, mmol/L, g/L, mg/L, µg/L
	Temperature	(-10.0~110.0) °C
Resolution	pH/pX	0.001pH/pX
	mV	0.01mV
	Concentration	4 significant digits(expressed in scientific notation)
	temperature	0.1 °C
Accuracy	pH/pX	±0.002pH/pX
	mV	±0.03% FS
	Concentration	±0.3%
	temperature	±0.1 °C
Power Supply		12V/1A, with standard power adaptor
Dimensions & Weight		240×170×70mm, 600g

Standard Configuration

1. Ion concentration meter	1 unit	7. B628 stir bead	3 pcs
2. Ion electrode	1 pc	8. 12V Power adapter for instrument	1 pc
3. Reference electrode	1 pc	9. 12V Power adapter for stir	1 pc
4. Temperature electrode	1 pc	10. Brief operation guide	1 copy
5. Rotary electrode holder	1 pc	11. USB flash drive	1 pc
6. Intelligent stirrer	1 pc		

T-720 Precise PH/Conductivity Meter



Suitable for high precision pH/conductivity measurements in scientific research, quality control, biotechnology and fine chemistry industry.

Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system, humanized design with adjustable screen brightness.
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of 8 kinds of standard conductivity solutions and there are two series of standard solutions for option: Europe & USA series and China series.
- With standard Bluetooth module and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{ mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Auto recognition of standard pH buffers. There are three series of standard buffer solutions for option: Europe & USA, NIST and China series.
- Smart judge of electrode status to ensure accurate use for operators.
- With standard Bluetooth module and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission via wireless Bluetooth.
- IP54 dustproof and waterproof housing.

T-720 Precise PH/Conductivity Meter

Specifications

MODEL	T-720	
pH	Measuring range	(-1.99 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02
	Input current	$\leq 1 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12}$ Ω
	Stability	± 0.01 pH/3h
	Temp compensation	(0 ~ 100) °C (auto or manual)
mV	(mV/ORP/EH)Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.03\%$ FS
Conductivity	Measuring range	Conductivity: (0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$ (200~2000) $\mu\text{S/cm}$ (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10)
	Resolution	Resistivity: (0 ~ 100) M Ω ·cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt
	Accuracy	0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1/1 mS/cm
	Temp. compensation range	Electrode: $\pm 0.5\%$ FS, Instrument: $\pm 0.80\%$ FS (0 ~ 50) °C (auto)
	Electrode constant	0.1/0.5/1/5/10/50/100 cm^{-1}
Temperature	Measuring range	-10 °C ~ 110 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Technical Parameters	Data storage	1000 sets
	Power requirements	DC12V/1A
	Communication connectors	Bluetooth,USB
	Dimensions&Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

1.T-720 precise pH/conductivity meter	1 unit	7.Standard pH buffer solutions	
2.Plastic pH/ATC three-in-one composite electrode	1 pc	(pH4.00, pH6.86, pH9.18/50mL/bottle)	3 bottles
3.Glass PH composite electrode	1 pc	8.1408 $\mu\text{S/cm}$ standard conductivity solution(50ml)	1 pc
4.Temperature electrode	1 pc	9.12V power adapter for instrument	1 copy
5.2401-M conductivity electrode	1 pc	10.Brief operation manual	1 pc
6.602 rotary electrode holder	1 pc		

T-721 Precise pH/DO Meter



Precise measurements of pH/DO in fields of biotechnology, aquaculture, power plant and environmental protection, and also more widely used in areas of education and scientific research.

Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system, humanized design with adjustable screen brightness.
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 min for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffers for option: Europe & USA series, NIST series and China series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing
- DO measurement is polarographic and suggested to be used with our magnetic stirrer 600 or other appropriate models chosen by customers.

T-721 Precise pH/DO Meter

Specifications

MODEL	T-721	
pH	Measuring range	(-1.99~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02 pH
	Input current	$\leq 1 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.01 pH
	Temp compensation	(0 ~ 100) °C (auto or manual)
mV	(mV/ORP/EH)Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.05\%$ FS
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm) (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) 1/0.1%
	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25 °C, 90% response)
	Residual current	≤ 0.1 mg/L
	Temp compensation range	(0 ~ 45) °C (automatic)
	Salinity compensation range	(0 ~ 45) ppt (automatic)
	Air pressure compensation	(80 ~ 105) kPa (automatic)
	Electrode type	Polarographic
Temperature	Measuring range	-10 °C ~ 110 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Technical Parameters	Data storage	1000 groups
	Storage contents	Measurement series number, measuring value, temperature, ATC or MTC state, measuring date and time
	Power requirements	DC12V/1A
	Communication connectors	Bluetooth, USB
Working Conditions	Dimensions&Weight	240 × 170 × 70mm/600g
	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

1. T721 pH/ DO meter	1 unit	7. 12V power adapter(instrument use)	1 pc
2. Plastic pH/ATC three-in-one composite electrode	1 pc	8. DO503 membrane cap(for DO electrode)	3 pc
3. 2503-C glass pH composite electrode	1 pc	9. DO502 DO electrode inner solution(30ml)	1 bottle
4. Temperature electrode	1 pc	10. Cathode polishing paper.	2 pcs
5. DO500 DO electrode	1 pc	11. Brief operation instruction	1 copy
6. 602 rotary electrode holder	1 pc		
7. standard buffer solution(pH4.00, pH6.86, pH9.18/50ml)	3 bottles		

T-723 Precise Conductivity/DO Meter



For high-precision measurements of the conductivity/DO in laboratory. Widely used in the fields of biotechnology, aquaculture, power plants and environmental protection.

Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system(or custom Language according to specific requirements), humanized design with adjustable screen brightness.
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 min for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Auto recognition of 8 kinds of standard conductivity solutions and there are two series of standard solutions for option: Europe & USA series and China series.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 min for polarization.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing.

T-723 Precise Conductivity/DO Meter

Specifications

MODEL	T-723	
Conductivity	Measuring range	Conductivity: (0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$ (200~2000) $\mu\text{S/cm}$ (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10)
		Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
		TDS: (0 ~ 100) g/L
		Salinity: (0 ~ 100) ppt
	Resolution	0.01/0.1/ $1\mu\text{S/cm}$ 0.01/0.1/ 1mS/cm
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instrument: $\pm 0.80\%$ FS
	Temp compensation	(0 ~ 50) $^{\circ}\text{C}$ (automatic)
Dissolved Oxygen	Electrode constant	0.1/0.5/1/5/10/50/100 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
	Measuring range	(0 ~ 20.00) mg/L(ppm) , (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) , 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L , Instrument: ± 0.40 mg/L
	Response time	$\leq 30\text{s}$ (25 $^{\circ}\text{C}$, 90% response)
	Residual current	≤ 0.1 mg/L
	Temperature compensation	(0 ~ 45) $^{\circ}\text{C}$ (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(80 ~ 105) kPa (automatic)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Temperature	Measuring range	-10 $^{\circ}\text{C}$ ~ 110 $^{\circ}\text{C}$
	Resolution	0.1 $^{\circ}\text{C}$
	Accuracy	5~ 60 $^{\circ}\text{C}$: ± 0.4 $^{\circ}\text{C}$ Others: ± 0.8 $^{\circ}\text{C}$
Other Parameters	Data storage	1000 groups
	Storage contents	Measurement series number, measuring value, temperature, ATC or MTC status, date and time
	Power	DC12V/1A
	Communications	USB, wireless Bluetooth
	Dimensions & Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	10 ~ 30 $^{\circ}\text{C}$
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

- | | | | |
|--|----------|---|----------|
| 1. Benchtop conductivity/DO meter | 1 unit | 6. DO503 membrane cap (for DO electrode) | 3 pcs |
| 2. Conductivity electrode | 1 pc | 7. DO502 DO electrode inner solution (30mL) | 1 bottle |
| 3. Rotary electrode holder | 1 pc | 8. 12V power adapter (for instrument) | 1 pc |
| 4. Standard conductivity solution (50ml) | 1 bottle | 9. Brief operating manual | 1 copy |
| 5. DO500 Dissolved Oxygen Electrode | 1 pc | | |

T-730 pH/mV/Conductivity/DO Meter



Multi-parameter analyzer for high precision measurement in laboratory covering 10 kinds of electrochemical parameters like pH, conductivity and dissolved oxygen. Suitable for the fields of petroleum, chemical, pharmacy, power plants and environmental protection, and also widely used in areas of education and scientific research.

Main Features

- 7 inch colored capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system, humanized design with adjustable screen brightness.
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 min for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Auto recognition of 8 kinds of standard conductivity solutions and there are two series of standard solutions for option: Europe & USA series and China series.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 min for polarization.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Auto recognition of standard pH buffers. And there are three series of buffer solutions for option: Europe & USA series, NIST series, CHINA series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing.
- DO measurement is polarographic and suggested to be used with our magnetic stirrer 600 or other appropriate models chosen by customers.

T-730 pH/mV/Conductivity/DO Meter

Specifications

MODEL	T-730	
pH	Measuring range	(-1.99 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02 pH
	Input current	$\leq 1 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.01 pH/3h
	Temp compensation	(0 ~ 100) °C (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.03\%$ FS
Conductivity	Measuring range	Conductivity (0.00~20.00) μ S/cm (20.0~200.0) μ S/cm (200~2000) μ S/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10)
		Resistivity: (0 ~ 100) M Ω ·cm
		TDS: (0 ~ 100) g/L
		Salinity: (0 ~ 100) ppt
	Resolution	0.01/0.1/ 1μ S/cm 0.01/0.1/1 mS/cm
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instruments: $\pm 0.80\%$ FS
	Temp compensation	(0 ~ 50) °C (automatic)
	Electrode constants	0.1/0.5/1/5/10/50/100 cm ⁻¹
	Reference temperature	25 °C, 20 °C, 18 °C
	Measuring range	(0 ~ 20.00) mg/L(ppm) (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) 1/0.1 %
Dissolved Oxygen	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25 °C, 90%response)
	Residual current	≤ 0.1 mg/L
	Temp compensation	(0 ~ 45) °C (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(80 ~ 105) kPa (automatic)
	Automatic calibration	Air saturated by water; water saturated by air
Temperature	Electrode type	Polarographic
	Measuring range	-10 °C ~ 110 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Parameters	Data storage	1000 groups
	Storage contents	Measuring value series number, measuring value, temperature, ATC or MTC state, measuring date and time.
	Power requirements	DC12V/1A
	Communications	USB, Wireless Bluetooth
	Dimensions & Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C (grade 0.01)
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

1. T-730 pH/mV/Conductivity/DO meter	1 unit	9. 1408 μ S/cm standard conductivity solution (50ml)	2 bottles
2. 360° Rotary electrode holder	1 pc	10. 12V power adapter (for instrument)	1 pc
3. 201T-M plastic pH/ATC three-in-one composite electrode	1 pc	11. DO503 membrane cap (for DO electrode)	3 pcs
4. 4.2503-C glass pH composite electrode	1 pc	12. DO502 DO electrode inner solution (30ml)	1 bottle
5. MP500 temperature electrode	1 pc	13. Cathode polishing paper	2 pcs
6. 2401-M conductivity electrode	1 pc	14. Brief operation manual	1 copy
7. DO500 DO electrode	1 pc		
8. Standard pH buffer solutions(pH4.00, pH6.86, pH9.18/50ml)	1 bottle/each		

S-610 Series Benchtop pH Meter



Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffers for option: Europe & USA series, NIST series and China series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof

S-610 Series Benchtop pH Meter

Specifications

MODEL	S-610H	S-610L	S-610P
Display	6.5 inch LED screen	6.5 inch LED screen	6.5 inch LED screen
Parameters	pH, mV, temperature	pH, mV, temperature	pH, mV, temperature
pH Measuring range	-2.000~18.000 pH	-2.00~18.00 pH	-2.00~18.00 pH
pH Resolution	0.001/0.01/0.1 pH	0.01/0.1 pH	0.01/0.1 pH
pH Accuracy	±0.002pH	±0.02pH	±0.02pH
Input current	≤2×10 ⁻¹² A	≤2×10 ⁻¹² A	≤2×10 ⁻¹² A
Input impedance	≥1×10 ¹² Ω	≥1×10 ¹² Ω	≥1×10 ¹² Ω
mV Measuring range	-1999.99~1999.99 mV	-1999.99~1999.99 mV	-1999.99~1999.99 mV
mV Resolution	0.1mV	1mV	1mV
mV Accuracy	±0.03%FS	±0.1%FS	±0.1%FS
Temp Measuring range	0~100℃	0~100℃	0~100℃
Temp Resolution	0.1℃	0.1℃	0.1℃
Temp Accuracy	±0.5℃	±0.5℃	±0.5℃
Temp Compensation	0-100℃, automatic	0-100℃, automatic	0-100℃, automatic
Calibration	3 point, automatic	3 point, automatic	3 point, automatic
GLP standard	YES	YES	YES
Buffers	NIST. Europe/USA/NIST Auto recognition of 5 kinds of buffers	NIST. Europe/USA/NIST Auto recognition of 5 kinds of buffers	NIST. Europe/USA/NIST Auto recognition of 5 kinds of buffers
Data storage	500 sets	500 sets	500 sets
Communication interfaces	USB, Bluetooth	USB, Bluetooth	USB,Bluetooth
Working Conditions	Temperature: 5-40° Humidity: 5-85%	Temperature: 5-40° Humidity: 5-85%	Temperature: 5-40° Humidity: 5-85%
Power	12V/1A	12V/1A	12V/1A
Size & Weight	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g

Standard Configuration

- | | | | |
|---|--------|--------------------------------------|--------|
| 1. Bench pH meter | 1 unit | 5. 12V power adapter(for instrument) | 1 pc |
| 2. Composite electrode
(subject to different models) | 1 pc | 6. Brief operating manual | 1 copy |
| 3. Rotary electrode holder | 1 pc | | |
| 4. pH calibration buffer | 1 set | | |

S-611 Series Benchtop Conductivity Meter



Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing

S-611 Series Benchtop Conductivity Meter

Specifications

MODEL	S-611H	S-611L	S-611P	S-611C
Display	6.5 inch LED screen	6.5 inch LED screen	6.5 inch LED screen	6.5 inch LED screen
Parameters	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature	conductivity, Resistivity, TDS, salinity, temperature
measuring range	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$	(0.00~20.00) $\mu\text{S/cm}$
	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$	(20.0~200.0) $\mu\text{S/cm}$
	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$	(200~2000) $\mu\text{S/cm}$
	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm	(2.00~20.00) mS/cm
	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm	(20.0~200.0) mS/cm
	(200~2000) mS/cm (K=10)		(200~2000) mS/cm (K=10)	(200~2000) mS/cm (K=10)
Conductivity resolution	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$	0.01/0.1/1 $\mu\text{S/cm}$
	0.01/0.1/1 mS/cm	0.01/0.1 mS/cm	0.01/0.1/1 mS/cm	0.01/0.1/1 mS/cm
Conductivity Accuracy	Electrode: $\pm 0.5\%$ FS	Electrode: $\pm 1.0\%$ FS	Electrode: $\pm 0.5\%$ FS	Electrode: $\pm 0.5\%$ FS
	Instrument: $\pm 0.8\%$ FS	Instrument: $\pm 1.50\%$ FS	Instrument: $\pm 0.8\%$ FS	Instrument: $\pm 0.8\%$ FS
Resistivity measuring range	0.01 ... 100.00 $\text{M}\Omega\cdot\text{cm}$	0 ~ 100 $\text{M}\Omega\cdot\text{cm}$	0.01 ... 100.00 $\text{M}\Omega\cdot\text{cm}$	0.01 ... 100.00 $\text{M}\Omega\cdot\text{cm}$
TDS	0.000mg/L~1000g/L	0~100 g/L	0.000mg/L~1000g/L	0.000mg/L~1000g/L
Salinity	0~100 ppt	0~100 ppt	0~100 ppt	0~100 ppt
Temp measuring range	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$	(0~100) $^{\circ}\text{C}$
Temp resolution	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$
Temp accuracy	± 0.5 $^{\circ}\text{C}$	± 0.5 $^{\circ}\text{C}$	± 0.5 $^{\circ}\text{C}$	± 0.5 $^{\circ}\text{C}$
Data storage	500 sets	300 sets	500 sets	500 sets
Communication interfaces	USB, Bluetooth	USB, Bluetooth	USB, Bluetooth	USB, Bluetooth
Working conditions	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$	Temperature: 5-40 $^{\circ}$
	Humidity: 5-85%	Humidity: 5-85%	Humidity: 5-85%	Humidity: 5-85%
Power	12V/1A	12V/1A	12V/1A	12V/1A
Size & Weight	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g	240 × 170 × 70mm/600g

Standard Configuration

- | | | | |
|--|----------|--------------------------------------|--------|
| 1. S-611 benchtop conductivity meter | 1 unit | 5. 12V power adapter(for instrument) | 1 pc |
| 2. Conductivity electrode | | 6. Brief operating manual | 1 copy |
| (subject to different models) | 1 pc | | |
| 3. Rotary electrode holder | 1 pc | | |
| 4. Standard conductivity solution (50ml) | 1 bottle | | |

S-612 Benchtop Dissolved Oxygen Meter



Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing

S-612 Benchtop Dissolved Oxygen Meter

Specifications

MODEL	S-612
Display	6.5 inch LED screen
Parameters	Concentration, saturation, temperature
DO range	0.00~90 mg/L (ppm)
DO Resolution	0.01/0.1
DO Accuracy	±0.5%
DO Saturation	0.0~600%
Saturation Resolution	0.1%
Saturation Accuracy	±2.0%FS
Temperature Measuring Range	(0~100)℃
Temperature Resolution	0.1℃
Temperature Accuracy	±0.1℃
Temperature Compensation	(0~45)℃ (automatic)
Salinity Compensation	(0.0~50.0) g/L
Pressure Compensation	(80~105) kPa (automatic)
Pressure Resolution	1
Pressure Accuracy	±2%
Stability	(±0.07mg/L)/1h
Response Time	≤30s (25℃, 90% response)
Data Storage	500 sets, external USB storage
Communication Interfaces	USB, Bluetooth
Working Conditions	Temperature: 5-40°
	Humidity: 5-85%
Power	12V1A (with standard AC adapter)
Dimensions &Weight	240 x 170 x 70mm/600g

Standard Configuration

- | | | | |
|---------------------------------------|--------|--|----------|
| 1. Benchtop Dissolved Oxygen meter | 1 unit | 5. DO503 membrane cap(for DO electrode) | 3 pcs |
| 2. DO500 Dissolved Oxygen Electrode | 1 pc | 6. DO502 DO electrode inner solution(30mL) | 1 bottle |
| 3. Rotary electrode holder | 1 pc | 7. Brief operating manual | 1 copy |
| 4. 12V power adapter (for instrument) | 1 pc | | |

Note: benchtop DO meter is polarographic, suggest using it together with magnetic stirrer (optional).

S-613 Series Ion Concentration Meter



Test ions in aqueous solutions with the features of simple sample process, quick and accurate measurements.

Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Can test electric potential, pH, pX, ORP, ion concentration and temperature
- Quick switch between different units: $\mu\text{g/L}$, mg/L , g/L , mol/L , mmol/L , PX.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: Europe & USA series, NIST series and China series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof

Description	Model	Applications
Fluoride ion meter	S-613F	Test and analysis of the fluoride in drinking water, surface water, sea water, living sewage and industrial wastewater and the fluorine ion in mineral , organic, and biological materials.
Sodium ion meter	S-613Na	Suitable for measurement of sodium ion and pH value in natural water, boiler water and industrial drainage, especially for the quality monitoring of high purity water in power plant.

S-613 Series Ion Concentration Meter

Description	Model	Applications
Chloride ion meter	S-613Cl	Measure chloride ion and pH value in drinking water, food and sewage.
Calcium ion meter	S-613Ca	Test calcium ion and pH value of water solutions. Widely used in the analysis and research of water quality, biochemistry and biomedicine.
Bromide ion meter	S-613Br	Test bromide ion and pH value in drinking water, food and sewage.
Nitrate ion meter	S-613NO	Test nitrate ion and pH value in drinking water, food and sewage.
Potassium ion meter	S-613K	Measure potassium ion and pH value in drinking water, food and sewage.
Ammonia Ion Meter	S-613NH	Test ammonia & nitrogen and pH value in drinking water, food and sewage.
Copper ion meter	S-613Cu	Test copper ion and pH value in food, beverage, electroplating industry and sewage.
Iodide ion meter	S-613I	Test iodide ion and pH value in drinking water, food and sewage.

Specifications

Instrument grade		0.001
Measurement Range	pH/pX	(-2.000~18.000) pH, (0.000~14.000) pX
	mV	(-1999.9~1999.9) mV
	concentration	(0~19990), optional units: pX, mol/L, mmol/L, g/L, mg/L, µg/L
	Temperature	(0~100.0) °C
Resolution	pH/pX	0.01pH/pX
	mV	0.1mV
	Concentration	4 significant digits(expressed in scientific notation)
	temperature	0.1 °C
Accuracy	pH/pX	±0.02pH/pX
	mV	±0.1%FS
	Concentration	±0.5%
	temperature	±0.1 °C
Power Supply		DC 12V/1A, with standard power adaptor
Dimensions & Weight		240×170×70mm,600g

Standard Configuration

1. Ion concentration meter	1 unit	7. B628 stir beads	3 pcs
2. Ion electrode	1 pc	8. 12V power adapter for instrument	1 pc
3. Reference electrode	1 pc	9. 12V power adapter for stir	1 pc
4. Temperature electrode	1 pc	10. Brief operation guide	1 copy
5. Rotary electrode holder	1 pc		
6. Intelligent stirrer	1 pc		

S-620 Precise PH/Conductivity Meter



Suitable for high precision pH/conductivity measurements in scientific research, quality control, biotechnology and fine chemistry industry.

Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: Europe & USA series, NIST series and China series.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof

S-620 Precise PH/Conductivity Meter

Specifications

MODEL	S-620	
pH	Measuring range	(-2.00 ~ 18.00) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.02 pH/3h
	Temperature compensation	(0 ~ 100) °C (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.03\%$ FS
Conductivity	Measuring range	Conductivity: (0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$ (200~2000) $\mu\text{S/cm}$ (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10) Resistivity: (0 ~ 100) M $\Omega \cdot \text{cm}$ TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt
	Resolution	0.01/0.1/ $\mu\text{S/cm}$ 0.01/0.1/1 mS/cm
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instrument: $\pm 0.80\%$ FS
	Temp. compensation range	(0 ~ 50) °C (auto)
	Electrode constant	0.1/0.5/1/5/10/50/100 cm^{-1}
Temperature	Measuring range	0 °C ~ 100 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Technical Parameters	Data storage	500 sets
	Power requirements	DC12V/1A
	Communication connectors	Bluetooth,USB
	Dimensions&Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

- | | | | |
|----------------------------|--------|--|----------|
| 1. S-620 Benchtop meter | 1 unit | 6. Standard conductivity solution (50ml) | 1 bottle |
| 2. Composite electrode | 1 pc | 7. 12V power adapter(for instrument) | 1 pc |
| 3. Rotary electrode holder | 1 pc | 8. Brief operating manual | 1 copy |
| 4. pH calibration buffer | 1 set | | |
| 5. Conductivity electrode | 1 pc | | |

S-621 Precise pH/DO Meter



Precise measurements of pH/DO in fields of biotechnology, aquaculture, power plant and environmental protection, and also more widely used in areas of education and scientific research.

Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: Europe & USA series, NIST series and China series.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof

S-621 Precise pH/DO Meter

Specifications

MODEL	S-621	
pH	Measuring range	(-2.00 ~ 18.00) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.02 pH/3h
	Temperature compensation	(0 ~ 100) °C (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.05\%$ FS
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm) (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) 1/0.1%
	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25 °C, 90% response)
	Residual current	≤ 0.1 mg/L
	Temp compensation range	(0 ~ 45) °C (automatic)
	Salinity compensation range	(0 ~ 45) ppt (automatic)
	Air pressure compensation	(80 ~ 105) kPa (automatic)
	Electrode type	Polarographic
Temperature	Measuring range	0 °C ~ 100 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Technical Parameters	Data storage	500 groups
	Power requirements	DC12V/1A
	Communication connectors	Bluetooth, USB
	Dimensions&Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

- | | | | |
|-------------------------------------|--------|--|----------|
| 1. S-621 Benchtop pH/DO meter | 1 unit | 6. DO503 membrane cap(for DO electrode) | 3 pcs |
| 2. Composite electrode | 1pc | 7. DO502 DO electrode inner solution(30mL) | 1 bottle |
| 3. Rotary electrode holder | 1 pc | 8. 12V power adapter(for instrument) | 1 pc |
| 4. pH calibration buffer | 1 set | 9. Brief operating manual | 1 copy |
| 5. DO500 Dissolved Oxygen Electrode | 1 pc | | |

S-623 Precise Conductivity/DO Meter



For high-precision measurements of the conductivity/DO in laboratory. Widely used in the fields of biotechnology, aquaculture, power plants and environmental protection.

Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing

S-623 Precise Conductivity/DO Meter

Specifications

MODEL	S-623	
Conductivity	Measuring range	Conductivity: (0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$ (200~2000) $\mu\text{S/cm}$ (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10)
		Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
		TDS: (0 ~ 100) g/L
		Salinity: (0 ~ 100) ppt
	Resolution	0.01/0.1/ $\mu\text{S/cm}$ 0.01/0.1/ mS/cm
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instrument: $\pm 0.80\%$ FS
	Temp compensation	(0 ~ 50) $^{\circ}\text{C}$ (automatic)
Dissolved Oxygen	Electrode constant	0.1/0.5/1/5/10/50/100 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
	Measuring range	(0 ~ 20.00) mg/L(ppm) , (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) , 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L , Instrument: ± 0.40 mg/L
	Response time	$\leq 30\text{s}$ (25 $^{\circ}\text{C}$, 90% response)
	Residual current	≤ 0.1 mg/L
	Temperature compensation	(0 ~ 45) $^{\circ}\text{C}$ (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(80 ~ 105) kPa (automatic)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Temperature	Measuring range	0 $^{\circ}\text{C}$ ~ 100 $^{\circ}\text{C}$
	Resolution	0.1 $^{\circ}\text{C}$
	Accuracy	5~ 60 $^{\circ}\text{C}$: $\pm 0.4^{\circ}\text{C}$ Others: $\pm 0.8^{\circ}\text{C}$
Other Parameters	Data storage	500 groups
	Power	DC12V/1A
	Communications	USB, wireless Bluetooth
	Dimensions & Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	10 ~ 30 $^{\circ}\text{C}$
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

- | | | | |
|--|----------|---|----------|
| 1. Benchtop conductivity/DO meter | 1 unit | 6. DO503 membrane cap (for DO electrode) | 3 pcs |
| 2. Conductivity electrode | 1 pc | 7. DO502 DO electrode inner solution (30mL) | 1 bottle |
| 3. Rotary electrode holder | 1 pc | 8. 12V power adapter (for instrument) | 1 pc |
| 4. Standard conductivity solution (50ml) | 1 bottle | 9. Brief operating manual | 1 copy |
| 5. DO500 Dissolved Oxygen Electrode | 1 pc | | |

S-630 pH/mV/Conductivity/DO Meter



Multi-parameter analyzer for high precision measurement in laboratory covering 9 kinds of electrochemical parameters like pH, conductivity and dissolved oxygen. Suitable for the fields of petroleum, chemical, pharmacy, power plants and environmental protection, and also widely used in areas of education and scientific research.

Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Meet GLP norms, with auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 500 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: Europe & USA series, NIST series and China series.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: Europe & USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- With standard Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof

S-630 pH/mV/Conductivity/DO Meter

Specifications

MODEL	S-630	
pH	Measuring range	(-2.00 ~ 18.00) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.01 pH, Instrument: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.02 pH/3h
	Temp compensation	(0 ~ 100) °C (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.03\%$ FS
Conductivity	Measuring range	Conductivity (0.00~20.00) μ S/cm (20.0~200.0) μ S/cm (200~2000) μ S/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10) Resistivity: (0 ~ 100) M Ω ·cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt
		Resolution
		Accuracy
		Temp compensation
		Electrode constants
		Reference temperature
	Resolution	0.01/0.1/1 μ S/cm 0.01/0.1/1 mS/cm
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instruments: $\pm 0.80\%$ FS
	Temp compensation	(0 ~ 50) °C (automatic)
	Electrode constants	0.1/0.5/1/5/10/50/100 cm ⁻¹
	Reference temperature	25 °C, 20 °C, 18 °C
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm) (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25 °C, 90%response)
	Residual current	≤ 0.1 mg/L
	Temp compensation	(0 ~ 45) °C (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(80 ~ 105) kPa (automatic)
	Automatic calibration	Air saturated by water; water saturated by air
	Electrode type	Polarographic
Temperature	Measuring range	-0 °C ~ 100 °C
	Resolution	0.1 °C
	Accuracy	5~ 60 °C: ± 0.4 °C Others: ± 0.8 °C
Other Parameters	Data storage	500 groups
	Power requirements	DC12V/1A
	Communications	USB, Wireless Bluetooth
	Dimensions & Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C (grade 0.01) 15 ~ 30 °C (grade 0.001)
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Standard Configuration

1. S-630 benchtop multi-parameter analyzer	1 unit	8. DO503 membrane cap(for DO electrode)	3 pcs
2. Composite electrode	1 pc	9. DO502 DO electrode inner solution(30mL)	1 bottle
3. Rotary electrode holder	1 pc	10. Intelligent stirrer	1 pc
4. pH calibration buffer	1 set	11. B628 stir beads	3 pcs
5. Conductivity electrode	1 pc	12. 12V power adapter(for stirrer)	1 pc
6. Standard conductivity solution (50ml)	1 bottle	13. 12V power adapter(for instrument)	1 pc
7. DO500 Dissolved Oxygen Electrode	1 pc	14. Brief operating manual	1 copy



Main Features

- 5 inch LCD screen with wide 150° viewing angle, beautiful and compact design.
- Compact bench and wall cradle with rotary electrode holder to save space in laboratory.
- Small size and portable make it easy to carry and remove in laboratory and outdoors.
- Extendibility: different electrodes can be installed to test pH, conductivity and dissolved oxygen.
- Auto recognition of different electrodes which can automatically store and retrieve calibration data with built-in chip after electrode is connected.
- 3.5 mm jack input for electrodes makes it very easy for electrode connection.
- Two USB interfaces for PC connection, power and data transfer.
- Can store 300 data logs including readings, GLP data, date and time.
- Rechargeable and long lasting battery. Auto shut off if there is no operation in ten minutes.



Specifications

MODEL	L-510	
pH	Measurement range	(-2.00 ~ 19.99)pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.02 pH/3h
	Temperature compensation	(0 ~ 100)°C (auto or manual)
mV	Measurement range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1mV
	Accuracy	$\pm 0.03\%$ FS
Temperature	Range	0°C ~ 100°C
	Resolution	0.1°C
	Accuracy	± 0.5 °C
Calibration		1, 2, 3, point
Other Parameters	Data storage	300 sets
	Power	DC 5V/1A
	Communication interfaces	Micro USB and standard USB
	Dimensions & Weight	190*130*18mm/310g
Working Conditions	Temperature	(5 ~ 35)°C
	Humidity	$\leq 85\%$
	IP grade	IP54

L-511 Tablet Conductivity Meter



MODEL	L-511	
Conductivity	Measuring range	Conductivity: (0.00 ~ 20.00) $\mu\text{S}/\text{cm}$ (20.0 ~ 200.0) $\mu\text{S}/\text{cm}$ (200 ~ 2000) $\mu\text{S}/\text{cm}$ (2.00 ~ 20.00) mS/cm (20.0 ~ 200.0) mS/cm Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$ TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt
	Resolution	0.01/0.1/1 $\mu\text{S}/\text{cm}$ 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS, Instrument: $\pm 1.50\%$ FS
	Temp compensation range	(0 ~ 50) $^{\circ}\text{C}$ (Automatic)
	Electrode constant	0.1/1/10 cm^{-1}
Temperature	Measuring range	0 ~ 100 $^{\circ}\text{C}$
	Resolution	0.1 $^{\circ}\text{C}$
	Accuracy	± 0.5 $^{\circ}\text{C}$
Other technical parameters	Data storage	300 sets
	Power	DC 5V/1A
	Communication connectors	Micro USB and standard USB
	Dimensions & Weight	190*130*18mm/310g
Working conditions	Ambient temperature	(5 ~ 35) $^{\circ}\text{C}$
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

Main Features

- 5 inch LCD screen with wide 150° viewing angle, beautiful and compact design.
- Compact bench and wall cradle with rotary electrode holder to save space in laboratory.
- Small size and portable make it easy to carry and remove in laboratory and outdoors.
- Extendibility: different electrodes can be installed to test pH, conductivity and dissolved oxygen.
- Auto recognition of different electrodes which can automatically store and retrieve calibration data with built-in chip after electrode is connected.
- 3.5 mm jack input for electrodes makes it very easy for electrode connection.
- Two USB interfaces for PC connection, power and data transfer.
- Can store 300 data logs including readings, GLP data, date and time.
- Rechargeable and long lasting battery. Auto shut off if there is no operation in ten minutes.

Specifications

MODEL	L-512
Display	5-inch LCD screen
Parameters	Concentration, saturation, temperature
DO Range	0.00 ~ 90 mg/L (ppm)
Resolution	0.01/0.1
DO Accuracy	±0.5%
DO Saturation	0.0 ~ 600%
Saturation Resolution	0.1%
Saturation Accuracy	±2.0%FS
Temperature Measuring Range	(0 ~ 100) °C
Temperature Resolution	0.1 °C
Temperature Accuracy	5 ~ 60 °C: ±0.5 °C, Others: ±1.0 °C
Temperature compensation range	(0 ~ 50) °C (automatic)
Salinity compensation range	(0.0 ~ 50.0)g/L
Air pressure compensation range	(80 ~ 105) kPa (automatic)
Pressure resolution	1
Pressure Accuracy	±2%
Stability	(±0.07mg/L)/1h
Response time	≤30s (25 °C, 90% response)
Data Storage	300 data logs, external USB storage
Communication Interfaces	Micro USB and standard USB
Working Conditions	Temperature: 5 ~ 40° Humidity: 5 ~ 85%
Power Requirements	5V1A
Size &Weight	190*130*18mm/300g



Main Features

- Large LCD screen with controllable white backlight.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto shut off, low voltage display.
- Auto recognition of 13 standard pH buffers and there are three kinds of standard buffers for option: Europe & USA series, NIST series and China series.
- Can set up pH measurement modes of high purity water and ammonia added pure water.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Equipped with standard solution and carrying case for outdoor purpose
- IP57 waterproof housing

Specifications

MODEL	P-510	
Display	Large LCD screen with controllable white backlight	
pH	Measurement range	(-2.00 ~ 19.99)pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.01 pH, Instrument: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.01 pH/3h
	Temp compensation	(0 ~ 100) °C (auto or manual)
mV	Measurement range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	1mV
	Accuracy	$\pm 0.1\%$ FS
Other Parameters	Data storage	200 sets
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries(1.5V)
	Size & Weight	65×120×31mm/180g (instrument) 255×210×50mm/790g (with carrying case)
Working Conditions	Environment Temperature	(5 ~ 35) °C (grade 0.01)
	Environment Humidity	$\leq 85\%$
	IP grade	IP57

Standard Configuration

1. pH/mV meter	1 unit
2. Composite electrode	1 pc
3. Standard pH buffer(pH4.00, pH6.86 and pH9.18/50mL)	1 bottle/each
4. Backup AA battery	2 pcs
5. Operation manual	1 copy
6. Carrying case	1 pc



Measure conductivity, TDS, salinity and resistivity of water solutions, suitable for industrial and mining factories, water treatment engineering and environmental protection, especially for outdoor use.

Main Features

- Large LCD screen with controllable white backlight.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Auto recognition of 8 standard conductivity buffers and there are three series of standard buffers for option: Europe & USA series, China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Conductivity mode has the function of non-linear temperature compensation for high purity water.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Plastic conductivity electrode with automatic temperature compensation to ensure fast and accurate result.

Specifications

MODEL	P-511	
Display	Large LCD screen with controllable white backlight	
Conductivity	Measurement range	Conductivity: (0.00~19.99) $\mu\text{S}/\text{cm}$ (20.0~199.9) $\mu\text{S}/\text{cm}$ (200~1999) $\mu\text{S}/\text{cm}$ (2.00~19.99) mS/cm (20.0~199.9) mS/cm TDS: (0 ~ 100) g/L Salinity: (0~100) ppt Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
	Resolution	0.01/0.1/1 $\mu\text{S}/\text{cm}$ 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS, Instrument: $\pm 1.5\%$ FS
	Temperature compensation	(0~50) $^{\circ}\text{C}$ (automatic)
	Electrode constants	0.1/1/10 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
Other Parameters	Data storage	200 sets
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries(1.5V)
	Size & Weight	65×120×31mm/180g (instrument) 255×210×50mm/790g (with carrying case)
Working Conditions	Environment Temperature	(5 ~ 35) $^{\circ}\text{C}$ (grade 0.01)
	Environment Humidity	$\leq 85\%$
	IP grade	IP57

Standard Configuration

- | | |
|--|----------|
| 1. P-511 Conductivity/TDS/Salinity/Resistivity meter | 1 unit |
| 2. 2301-S plastic conductivity electrode | 1 pc |
| 3. 1408 $\mu\text{S}/\text{cm}$ standard conductivity solution(50ml) | 1 bottle |
| 4. Backup AA battery | 2 pcs |
| 5. Operation manual | 1 copy |
| 6. Carrying case | 1 pc |



Suitable for aquaculture, water source monitoring, sewage treatment and environmental protection monitoring, especially for outdoor purposes.

Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Grade IP57 and equipped with portable carrying case.

Specifications

MODEL	P-511	
Display	Large LCD screen with controllable white backlight	
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm), (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm), 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25℃, 90% response)
	Residual current	≤ 0.1 mg/L
	Temperature compensation	(0 ~ 45)℃ (automatic))
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(66 ~ 200) kPa (manual)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Other Parameters	Data storage	200 groups
	Storage contents	Series number, measuring value, measuring unit and temperature
	Power	Two AA batteries(1.5V)
	Size & Weight	65×120×31mm/180g (instrument) 255×210×50mm/790g (with carrying case)
Working Conditions	Environment Temperature	(5 ~ 35)℃ (grade 0.01)
	Environment Humidity	$\leq 85\%$
	IP grade	IP57

Standard Configuration

1. Dissolved oxygen meter	1 unit
2. Dissolved oxygen electrode	1 pc
3. Membrane cap	3 pcs
4. Electrode inner solution (30mL)	1 bottle
5. Cathode polishing paper	2 pcs
6. Backup AA battery	2 pcs
7. Operation manual	1 copy
8. Carrying case	1 pc

P-513 Series Portable Ion Meter



Test ions in aqueous solutions with the features of simple sample process, quick and accurate measurements.

Main Features

- Big LCD screen with controllable white backlit.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Can test electric potential, pH, pX, ORP, ion concentration and temperature
- Auto recognition of 13 standard pH buffers and there are three kinds of standard buffers for option: Europe & USA series, NIST series and China series.
- Can set up pH measurement modes of high purity water and ammonia added pure water.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Equipped with standard solution and carrying case for outdoor purpose
- IP57 waterproof housing

Description	Model	Applications
Fluoride ion meter	P-513F	Test and analysis of the fluoride in drinking water, surface water, sea water, living sewage and industrial wastewater and the fluorine ion in mineral , organic, and biological materials.
Sodium ion meter	P-513Na	Suitable for measurement of sodium ion and pH value in natural water, boiler water and industrial drainage, especially for the quality monitoring of high purity water in power plant.

P-513 Series Portable Ion Meter

Description	Model	Applications
Chloride ion meter	P-513Cl	Measure chloride ion and pH value in drinking water, food and sewage.
Calcium ion meter	P-513Ca	Test calcium ion and pH value of water solutions. Widely used in the analysis and research of water quality, biochemistry and biomedicine.
Bromide ion meter	P-513Br	Test bromide ion and pH value in drinking water, food and sewage.
Nitrate ion meter	P-513NO	Test nitrate ion and pH value in drinking water, food and sewage.
Potassium ion meter	P-513K	Measure potassium ion and pH value in drinking water, food and sewage.
Ammonia Ion Meter	P-513NH	Test ammonia & nitrogen and pH value in drinking water, food and sewage.
Copper ion meter	P-513Cu	Test copper ion and pH value in food, beverage, electroplating industry and sewage.
Iodide ion meter	P-513I	Test iodide ion and pH value in drinking water, food and sewage.

Specifications

Instrument grade		0.001
Measurement Range	pH/pX	(-2.00 ~ 18.00) pH, (0.00 ~ 14.00) pX
	mV	(-1999.9 ~ 1999.9) mV
	concentration	(0 ~ 19990), optional units: pX, mol/L, mmol/L, g/L, mg/L, µg/L
	Temperature	(0 ~ 100.0) °C
Resolution	pH/pX	0.01pH/pX
	mV	0.1mV
	Concentration	4 significant digits(expressed in scientific notation)
	temperature	0.1 °C
Accuracy	pH/pX	±0.02pH/pX
	mV	±0.1%FS
	Concentration	±0.5%
	temperature	±0.1 °C
Power Supply		two batteries(1.5V*2)
Dimensions & Weight		165 x 90 x 32mm, 0.31KG

Standard Configuration

1. Ion concentration meter	1 unit	6. B628 stir beads	3 pcs
2. Ion electrode	1 pc	8. Backup AA battery	2 pcs
3. Reference electrode	1 pc	9. 12V power adapter for stir	1 pc
4. Temperature electrode	1 pc	10. Brief operation guide	1 copy
5. Intelligent stirrer	1 pc	11. Carrying case	1 pc



Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Double-parameter and equipped with pH electrode and conductivity electrode, can recognize electrode automatically.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Auto recognition of 13 standard pH buffers and there are three series of standard buffers for option: Europe & USA, NIST and China.
- Able to set pH measurement modes of high purity water and pure water with ammonia.
- Auto recognition of 8 standard conductivity buffers and there are three series of standard buffers for option: Europe & USA series, China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{ mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Conductivity mode has the function of non-linear temperature compensation for high purity water.
- IP57 and equipped with calibration solution and carrying case.

Specifications

MODEL	P-520	
pH	Measuring range	(-2.00 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.01 pH, Instrument: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12} \Omega$
	Stability	± 0.01 pH/3h
	Temperature compensation	(0 ~ 100) °C (automatic)
mV	Measuring range	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	1mV
	Accuracy	$\pm 0.1\%$ FS
Conductivity	Measuring range	Conductivity: (0.00 ~ 19.99) $\mu\text{S/cm}$ (20.0 ~ 199.9) $\mu\text{S/cm}$ (200~1999) $\mu\text{S/cm}$ (2.00 ~ 19.99) mS/cm (20.0 ~ 199.9) mS/cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt Resistivity: (0 ~ 100) M $\Omega \cdot \text{cm}$
	Resolution	0.01/0.1/1 $\mu\text{S/cm}$, 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS, Instrument: $\pm 1.5\%$ FS
	Temp. compensation range	(0 ~ 50) °C (automatic)
	Electrode constant	0.1/1/10 cm^{-1}
	Reference temperature	25 °C, 20 °C, 18 °C
Other	Data storage	200 groups
	Storage contents	Series number, measuring value measuring unit and temperature
	Power requirements	Two AA batteries(1.5V×2)
	Dimensions&Weight	65×120×31mm/180g (instrument)
		255×210×50mm/790g (with carrying case)
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP57

Standard Configu

- | | | | |
|---|---------------|--|----------|
| 1. P-520 pH/mV/Conductivity meter | 1 unit | 5. 1408 $\mu\text{S/cm}$ standard conductivity solution (50ml) | 1 bottle |
| 2. Composite electrode | 1 pc | 6. Backup AA battery | 2 pcs |
| 3. Conductivity electrode | 1 pc | 7. Operation manual | 1 copy |
| 4. Standard pH buffer solution
(pH4.00, pH6.86, pH9.18/50ml) | 1 bottle/each | 8. Carrying case | 1 pc |



Suitable for industrial and mining factories, power plant, aquaculture and environmental protection, especially for outdoor purposes.

Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Double-parameter and equipped with pH electrode and conductivity electrode, can recognize electrode automatically.
- Auto recognition of 13 standard pH buffers and there are three series of standard buffers for option: Europe & USA, NIST and China.
- Able to set pH measurement modes of high purity water and pure water with ammonia.
- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously and equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- IP57 and equipped with calibration solution and carrying case.

Specifications

MODEL	P-521	
pH	Measuring range	(-2.00 ~ 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode: ± 0.01 pH, Instrument: ± 0.02 pH
	Input current	$\leq 2 \times 10^{-12}$ A
	Input impedance	$\geq 1 \times 10^{12}$ Ω
	Stability	± 0.01 pH/3h
	Temperature compensation	(0 ~ 100) °C (automatic)
mV	Measuring range	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	1mV
	Accuracy	$\pm 0.1\%$ FS
DO	Measuring range	(0 ~ 20.00) mg/L(ppm), (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm), 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L, Instrument: ± 0.40 mg/L
	Response time	≤ 30 s (25 °C, 90% response)
	Residual current	≤ 0.1 mg/L
	Temperature compensation	(0 ~ 45) °C (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(66 ~ 200) kPa (manual)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Others	Data storage	200 groups
	Storage contents	Series number, measuring value measuring unit and temperature
	Power requirements	Two AA batteries(1.5V×2)
	Dimensions&Weight	65×120×31mm/180g (instrument) 255×210×50mm/790g (with carrying case)
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	$\leq 85\%$
	IP grade	IP57



Measure conductivity, TDS, salinity, resistivity, dissolved oxygen and temperature of water solutions and very cost effective.

Main Features

- Large LCD screen with controllable white backlight.
- Humanized designs like rack and skid proof shell make it more convenient for users.
- Double-parameter and equipped with pH electrode and conductivity electrode, can recognize electrode automatically.
- Built-in microprocessor chip with functions of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto power off, low voltage display.
- Auto recognition of 8 standard conductivity buffers, and there are two options for standard solutions: Europe & America series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode with constant $K=1$ can meet the measuring accuracy requirements for test $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Conductivity mode has the function of non-linear temperature compensation for high purity water.
- Measurement mode of Dissolved oxygen has the function of automatic temperature compensation, automatic salinity compensation and manual air pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously and equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- IP57 and equipped with calibration solution and carrying case.

P-523 Portable Conductivity/DO Meter

Specifications

MODEL		P-523
Conductivity	Measuring range	Conductivity: (0.00 ~ 19.99) $\mu\text{S/cm}$ (20.0 ~ 199.9) $\mu\text{S/cm}$ (200 ~ 1999) $\mu\text{S/cm}$ (2.00 ~ 19.99) mS/cm (20.0 ~ 199.9) mS/cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
	Resolution	0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1 mS/cm
	Accuracy	Electrode: $\pm 1.0\%$ FS, Instrument: $\pm 1.5\%$ FS
	Temperature compensation	(0 ~ 50) $^{\circ}\text{C}$ (automatic)
	Electrode constants	0.1/1/10 cm^{-1}
	Reference temperature	25 $^{\circ}\text{C}$, 20 $^{\circ}\text{C}$, 18 $^{\circ}\text{C}$
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm) , (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) , 1/0.1 %
	Accuracy	Electrode: ± 0.10 mg/L , Instrument: ± 0.40 mg/L
	Response time	$\leq 30\text{s}$ (25 $^{\circ}\text{C}$, 90% response)
	Residual current	≤ 0.1 mg/L
	Temperature compensation	(0 ~ 45) $^{\circ}\text{C}$ (automatic)
	Salinity compensation	(0 ~ 45) ppt (automatic)
	Pressure compensation	(66 ~ 200) kPa (manual)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Others	Data storage	200 groups
	Storage contents	Series number, measuring value measuring unit and temperature
	Power	Two AA batteries (1.5V \times 2)
	Size & Weight	65 \times 120 \times 31mm/180g (instrument) 255 \times 210 \times 50mm/790g (with carrying case)
Working Conditions	Ambient temperature	(5 ~ 35) $^{\circ}\text{C}$ (grade 0.01)
	Ambient humidity	$\leq 85\%$
	IP grade	IP57

Standard Configuration

1. P-523 Conductivity/DO meter	1 unit	6. DO electrode inner solution (30ml)	1 bottle
2. Plastic conductivity electrode	1 pc	7. Cathode polishing paper	2 pcs
3. DO electrode	1 pc	8. Backup AA battery	2 pcs
4. 1408 $\mu\text{S/cm}$ standard conductivity solution (50ml)	1 bottle	9. Operation manual	1 copy
5. Membrane cap (for DO electrode use)	3 pcs	10. Carrying case	1 pc



Main Features

- Mini and ultra-thin design with size 148×29×14mm. 10mm diameter electrode can be used to test pH value in tubes.
- Automatic calibration, automatic switch off, low voltage alarm and electrode failure warning.
- IP57 waterproof, large and easy-to-read LCD screen, replaceable electrode. There are calibration solution, electrode soak solution and backup batteries.

Model	P-310
Measuring Range	-1.00 ~ 15.00 pH
Resolution	0.01pH
Accuracy	±0.2pH
Temperature Compensation	0 ~ 60 ℃
Calibration	1, 2, 3 point(pH4.00/7.00/9.18)
Power	2 CR2032 batteries
Battery Life	100 hours
IP Rating	IP57
Size & Dimension	148×29×14mm / 43g(pH Meter) 168×96×28mm / 180g(Packing)

Standard Configuration

1.P-310 pocket pH meter	1 unit
2.Electrode soak solution(10ml)	1 bottle
3.Replaceable batteries	2 pcs
4.pH calibration buffers(pH4.00, pH7.00, Ph9.18/10ml)	3 bottles
5.Operating manual	1 copy



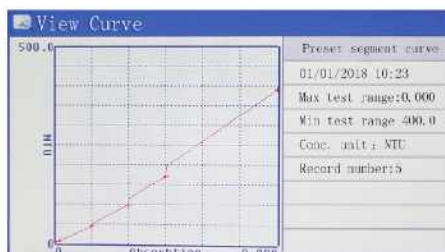
Main Features

- Mini and ultra-thin design with size 148×29×14mm.
- Automatic calibration, automatic switch off and low voltage alarm
- IP57 waterproof, large and easy-to-read LCD screen, replaceable electrode.
- Used to test conductivity value of river water and waste water.

Model	P-311
Measuring Range	(0~10.00) mS/cm: (0~99.9) μ S/cm (100~999) μ S/cm (1.00~10.00) mS/cm
Resolution	0.1/1 μ S/cm, 0.01 mS/cm
Accuracy	$\pm 3\%$ FS
Temperature Compensation	0 ~ 60 $^{\circ}$ C
Calibration	1 point(1413 μ S/cm, automatic)
Power	2 CR2032 batteries
Battery Life	100 hours
IP Rating	IP57
Size & Dimension	148×29×14mm / 43g(pH Meter) 168×96×28mm / 180g(Packing)

Standard Configuration

1.P-311 pocket conductivity meter	1 unit
2.Calibration solution(1413 μ S/cm, 10ml)	1 bottle
3.Replaceable battery	2 pcs
4.Operating manual	1 copy



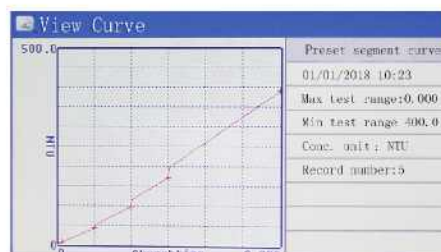
Main Features

- 4.3 inch colored FTT screen with friendly UI make operations easy.
- Big storage space and support USB storage and data transfer to USB drive.
- Contain 200 curves and customize high precision test curve according to measurement ranges. Customers can set up different piecewise curve and coefficient subject to different concentrations which will literally improve measurement precision.
- Adopt ARM9 main control chip which makes operations easy and smooth, instrument respond quickly and provide big storage up to 500M.
- Data transfer to PC via USB interface and optional wireless Bluetooth transmission.
- Adopt special and high precision light filter system to ensure the instruments' stability and measurement precision.
- Cold light source, narrowband interference, with long lifetime up to 100,000 hours.

Specifications

Description	Drinking Water Turbidity	Smart Turbidity	High-precision Turbidity
Model	BT-4000D	BT-4000S	BT-4000H
Minimum readout (NTU)	0.001	0.01	0.001 0.01
Measuring range (NTU)	0 ~ 10, 0 ~ 100	0 ~ 10, 0 ~ 100, 0 ~ 1000, 0 ~ 4000	0 ~ 10, 0 ~ 100, 0 ~ 1000, 0 ~ 4000
Basic error	±5%FS	±5%FS	±2%FS
Repeatability	≤0.5%	≤0.5%	≤0.5%
Zero draft	±0.5%F.S	---	---
Applications	Drinking water and low turbidity solutions, with wider cuvette	Industrial waste water and river water	Industrial waste water and river water

PT-4000 Series Portable Turbidity Meter



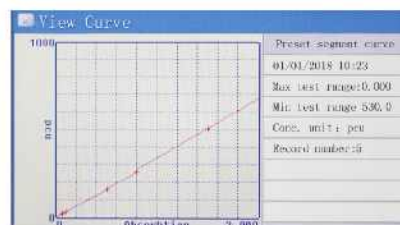
Main Features

- 4.3 inch colored FTT screen with friendly UI make operations easy.
- Big storage space for local memory.
- Contain 200 curves and customize high precision test curve according to measurement ranges. Customers can set up different piecewise curve and coefficient subject to different concentrations which will literally improve measurement precision.
- Adopt ARM9 main control chip which makes operations easy and smooth, instrument respond quickly and provide big storage up to 500M.
- Adopt advanced power management system, can show the battery status in real time and be charged via USB port on PC or vehicle which is very convenient for customers.
- Adopt special and high precision light filter system to ensure the instruments' stability and measurement precision. Cold light source, narrowband interference, with long lifetime up to 100,000 hours.

Specifications

Description	Smart Turbidity	High-precision Turbidity
Model	PT-4000S	PT-4000H
Minimum readout (NTU)	0.01	0.001
Measuring range (NTU)	0~10, 0~100, 0~1000, 0~4000	0~10, 0~100, 0~1000, 0~4000
Basic error	±5%FS	±3%FS
Repeatability	≤0.5%	≤0.5%
Zero draft	±0.5%FS	±0.5%FS
Applications	Industrial waste water and river water	Industrial waste water and river water

BC-4000 Series Benchtop Colorimeter

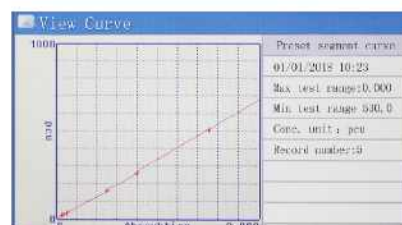


Main Features

- 4.3 inch colored FTT screen with friendly UI make operations easy.
- Big storage space and support USB storage and data transfer to USB drive.
- Contain 200 curves and customize high precision test curve according to measurement ranges. Customers can set up different piecewise curve and coefficient subject to different concentrations which will literally improve measurement precision.
- Adopt ARM9 main control chip which makes operations easy and smooth, instrument respond quickly and provide big storage up to 500M.
- Data transfer to PC via USB interface and optional wireless Bluetooth transmission.
- Adopt special and high precision light filter system to ensure the instruments' stability and measurement precision.
- Cold light source, narrowband interference, with long lifetime up to 100,000 hours.

Specifications

Description	Drinking Water Colorimeter	Smart Colorimeter	High-precision Colorimeter	Beer Colorimeter
Model	BC-4000D	BC-4000S	BC-4000H	BC-4000A
Minimum readout (PCU)	0.001	0.1	0.001 0.01	0.001EBC
Measuring range (PCU)	0~50	0~500	0~500	0~30EBC
Basic error	±5%FS	±5%FS	±5%FS	2~5 EBC, ≤±0.1 EBC 5~10 EBC, ≤±0.2 EBC 10~30 EBC, ≤±0.5 EBC
Repeatability	≤0.5%	≤0.5%	≤0.5%	≤0.5%
Zero draft	±0.5%FS	±0.5%FS	±0.5%FS	±0.5%FS
Characteristics	Drinking water and low chroma solutions, with wider cuvette	Industrial waste water and river water	Industrial waste water and river water	Beer chroma measurements



Main Features

- 4.3 inch colored FTT screen with friendly UI make operations easy.
- Big storage space for local memory.
- Contain 200 curves and customize high precision test curve according to measurement ranges. Customers can set up different piecewise curve and coefficient subject to different concentrations which will literally improve measurement precision.
- Adopt ARM9 main control chip which makes operations easy and smooth, instrument respond quickly and provide big storage up to 500M.
- Adopt advanced power management system, can show the battery status in real time and be charged via USB port on PC or vehicle which is very convenient for customers.
- Adopt special and high precision light filter system to ensure the instruments' stability and measurement precision. Cold light source, narrowband interference, with long lifetime up to 100,000 hours.

Specifications

Description	High-precision Colorimeter
Model	PC-4000H
Minimum readout (PCU)	0.001
Measuring range (PCU)	0-500, 0-100
Basic error	±3%FS
Repeatability	≤0.5%
Zero draft	±0.5%FS
Applications	Industrial waste water and river water

S-100 Intelligent Stirrer



For regular purposes in laboratory and outdoors, can be put in the incubators and used together with pH/ion/DO meter.

Specifications

Stir type electrode holder	Speed range	0 ~ 2300r/min (no load)
	Maximum mixing capacity	1000ml
	Face diameter	Φ100mm
Other parameters	Maximum working current	150mA
	Maximum power consumption	0.9W
	Electrode clamp size	Φ16mm (2 holes) & Φ13mm (1 hole)
	Vertical travel distance of electrode holder	0 ~ 90mm
	Power adapter	DC 6V power adapter or four AA (5#) batteries
	Dimensions & Weight	100 x 146 x 48 mm/340g

Optional Accessories

Category	Description	Functions & Specifications
pH composite electrode	201-C plastic composite pH electrode	For routine pH measurement, wide applications, BNC connector
	200-C plastic composite pH electrode	For routine pH measurements, long lasting test with high precision, BNC plug.
	206-C plastic composite pH electrode	Smaller diameter, suitable for test in tubes or small container, BNC connector
	201T-M plastic three-in-one composite pH electrode	Simultaneous measurement of pH and temperature, automatic temperature compensation, BNC & RCA plug.
	2501-C glass composite pH electrode	For precise pH test, laboratory regular use, BNC plug.
	2503-C glass composite pH electrode	For precise pH test, measure complex samples, BNC plug.
	2503D-C glass composite pH electrode	For low-temperature solution and pure water pH measurement, BNC plug.
	2503G-C glass composite pH electrode	Suitable for high temperature solution pH measurements, BNC plug
	2503S-C glass composite pH electrode	For strong acid and high-temperature solution pH measurements, BNC plug.
ORP Composite electrode	2015P-C plane composite pH electrode	For the surface and trace solution pH measurement, BNC plug.
	301Pt-C plastic ORP composite electrode	Regular ORP measurement, wide use, BNC plug
Temperature Electrode	3501Pt –C glass ORP composite electrode	Laboratory regular ORP measurement with good stability and fast response, BNC plug
	MP500 temperature electrode	Stainless steel housing, fast response, high precision, RCA plug
Standard pH Buffer	pH4.00 buffer	500ml/250ml/50ml (bottle)
	pH6.86 buffer	500ml/250ml/50ml (bottle)
	pH9.18 buffer	500ml/250ml/50ml (bottle)
	pH7.00 buffer	500ml/250ml/50ml (bottle)
	pH10.01 buffer	500ml/250ml/50ml (bottle)
Electrode Soaking Solution	pH(ORP) composite electrode soaking solution	500ml/250ml/100ml (bottle)
Electrode Refilling Solution	Reference solution	250ml/100ml/30ml (bottle)
ORP Standard Reagent	260 mV ORP 260 mV ORP standard reagent	50ml/bag
ORP Standard Solution	222 mV ORP 222 mV ORP standard solution	250ml/100ml/50ml (bottle)
Electrode Holder	602 rotary electrode holder	Nice appearance of the arc bracket, 360° rotary and vertical travel
	601 stir type electrode holder	Combination of electrode holder and magnetic stirrer
	600 simple electrode holder	Cheap and simple electrode holder

Optional Accessories

Category	Description	Functions & Specifications
Conductivity electrode	DJS-0.1-M Pure water conductivity electrode	K=0.1 cm ⁻¹ , 4-pin plug, auto temperature compensation, test the conductivity of high purity water
	2401-M Glass conductivity electrode	K=1.0 cm ⁻¹ , 4-pin plug, automatic temperature compensation, for laboratory high precision test of conductivity
	2301-M Plastic conductivity electrode	K=1.0 cm ⁻¹ , 4-pin plug, auto temperature compensation, for laboratory and outdoor test
	2310-M Plastic conductivity electrode	K=10cm ⁻¹ , 4-pin plug, automatic temperature compensation, used to test seawater and concentrated salt water
	Glass flow cell	Used together with DJS-0.1-M electrode
Temperature electrode	MP500 Temperature el	Stainless steel housing, fast response, high accuracy and RCA plug
Conductivity Calibration Solution	146.6 μS/cm conductivity calibration solution	500mL/250mL/50ml (bottle)
	1408 μS/cm conductivity calibration solution	500mL/250mL/50ml (bottle)
	12.85 mS/cm conductivity calibration solution	500mL/250mL/50mL (bottle)
	84 μS/cm conductivity calibration solution	500mL/250mL/50mL (bottle)
	1413 μS/cm conductivity calibration solution	500mL/250mL/50mL (bottle)
	12.88 mS/cm conductivity calibration solution	500mL/250mL/50ml (bottle)
Electrode holder	602 all direction rotary electrode holder	Nice appearance of arc bracket, 360° rotary and vertical travel
	601 stir type electrode holder	Combination of electrode holder and magnetic stirrer
	600 simple electrode holder	Cheap and simple electrode holder

Category	Description	Functions & Specifications
DO Electrode	DO500 electrode	Polarographic electrode, for laboratory and outdoor use
DO Electrode Accessories	DO503 electrode membrane cap	Combined membrane cap, dedicated to DO500 electrode, 3pcs/group
	DO502 DO electrode electrolyte solution	Electrolyte solution dedicated to the DO500 electrode, 30ml/bottle.
	DO501 cathode polishing paper	Polishing paper dedicated to clean cathode of DO500 electrode, 2pcs/set
Electrode Holder	Model 600 magnetic stirrer	Used for timing stirring

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