



SANXIN

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Contents 2014-2015

Meter and Electrode for Water Solution Analysis

- pH
- ORP
- ISE
- Conductivity
- TDS
- Dissolved Oxygen
- Water Hardness
- Acid-Alkali Concentration



MP500 Series of Electrochemical Meters

pH • mV • ISE • Cond. • Res. • TDS • Sal. • DO • Temp.

- Nice appearance, easy to use, equipped with a flexible electrode holder, an intelligent stirrer and a brief operation manual, the most cost-effective electrochemical laboratory instruments of the 4th generation.
- Meet International GLP standards, with intelligent functions such as automatic calibration, automatic temperature compensation, data storage, time display, RS-232 output, function setup, self-diagnoses of information, etc.
- Options of three different measurement modes: a stable display mode, timing measurement mode and continuous measurement mode.



| | |
|-------------------|---|
| pH & mV | <ul style="list-style-type: none"> • Two special pH measurement modes for high purified water and purified water with ammonia can be set to meet the requirement of the electric power and petrochemical industry. • "E_H" oxidation-reduction potential (ORP) measurement mode can be set. |
| Conductivity | <ul style="list-style-type: none"> • Advanced conductivity measurement technique, employing two-cell conductivity electrode (K = 1), only need one-point calibration, able to reach the measurement precision range of 0.5μS/cm~ 200mS/cm. • For high purity water of less than 10μS/cm, no need to switch measurement mode, automatic non-linear temperature compensation. |
| Dissolved Oxygen | <ul style="list-style-type: none"> • Automatic compensation of temperature, salinity and air pressure. • A new dissolved oxygen electrode with the function of salinity measurement, can easily achieve automatic salinity compensation, short polarization time, fast response and accurate measurement. |
| Ion Concentration | <ul style="list-style-type: none"> • 10 options of common ions, the user can also set other ions. • Able to select or switch among four measurement units: pX、 mol/L、 mg/L and ppm. |



Model 602 Flexible Electrode Holder



Ion Selection



Meets IP54 waterproof



Model 901 Intelligent Stirrer

MP500 Series of Electrochemical Meters

Single-parameter meters (pH, Conductivity, Dissolved Oxygen)



MP511 Lab pH Meter



MP512 Precision pH Meter



MP513 Lab Cond. Meter



MP515 Precision Cond. Meter



MP516 DO Meter

| Parameter | Model Number | Main Technical Specifications | Applications and Configurations |
|--------------|-----------------------------|---|---|
| pH | MP511 Lab pH Meter | Range: -2.00~19.99pH; Accuracy: ± 0.01 pH | Regular lab pH measurement, equipped with flexible electrode holder, three-in-one combination pH electrode and RS232 software. |
| | MP512 Precision pH Meter | Range: -2.000~19.999pH; Accuracy: ± 0.002 pH | Suited for precision pH measurement in scientific research, equipped with flexible electrode holder and 2503 pH electrode. |
| Conductivity | MP513 Lab Cond. Meter | Range: 0~200mS/cm; Accuracy: $\pm 1.0\%$ FS | Regular lab conductivity measurement, equipped with flexible electrode holder and model 2301 conductivity electrode with ATC. |
| | MP515 Precision Cond. Meter | Range: 0~2000mS/cm; Accuracy: $\pm 0.5\%$ FS | Suited for precision pH measurement in scientific research, equipped with flexible electrode holder and 2401 conductivity electrode with ATC. |
| DO | MP516 DO Meter | Range: (0~20.00) mg/L; Accuracy: ± 0.30 mg/L | Automatic compensation of temperature, salinity and air pressure, equipped with electrode holder, intelligent stirrer and model DO500 dissolved oxygen electrode. |

Ion concentration meters



MP523 pH/Ion Concentration Meter



MP517 Sodium Ion Concentration Meter



MP518 Calcium Ion Concentration Meter



MP519 Fluoride Ion Concentration Meter

| Parameter | Model Number | Main Technical Specifications | Applications and Configurations |
|------------------|--|---|--|
| pH, ISE | MP523 pH / Ion Concentration Meter | Range: pH -2.000~19.999pH Ion: 0~14.00pX | Basic ion concentration meter, the user can configure ion electrode and standard solution, with pH measurement mode. |
| Na ⁺ | MP517 Sodium Ion Concentration Meter | Sodium electrode range: 0~9.00 pNa; Accuracy: ± 0.01 pNa, | Low sodium ion concentration measurement, equipped with sodium electrode, standard solution and intelligent stirrer. |
| Ca ²⁺ | MP518 Calcium Ion Concentration Meter | Calcium electrode range: 0~9.00 pCa; Accuracy: ± 0.01 pCa, | Calcium ion concentration measurement, equipped with calcium electrode, standard solution and intelligent stirrer. |
| F ⁻ | MP519 Fluoride Ion Concentration Meter | Fluoride electrode range: 0~9.00 pF; Accuracy: ± 0.01 pF, | Fluoride ion concentration measurement, equipped with fluoride electrode, standard solution and intelligent stirrer. |

Double-parameter & multi-parameter meters (pH, Ion concentration, Conductivity, Dissolved Oxygen)



MP521



MP522



MP525



MP526



MP551

| Parameter | Model Number | Main Technical Specifications | Applications and Configurations |
|-----------------------|-----------------------------------|---|--|
| pH Cond. | MP521 Lab pH/Cond. Meter | Range: pH:-2.00~19.99pH; Cond.: 0~200mS/cm Accuracy: pH: ± 0.01 pH; Cond.: $\pm 1.0\%$ FS | pH+Cond.double-parameter meter for various applications: equipped with flexible electrode holder, three-in-one combination pH electrode, model 2301 conductivity electrode with ATC and RS232 software. |
| | MP522 Precision pH/Cond. Meter | Range: pH: -2.000~19.999pH; Cond: 0~2000mS/cm Accuracy: pH: ± 0.002 pH; Cond.: $\pm 0.5\%$ FS | pH+Cond.double-parameter meter with high precision: equipped with flexible electrode holder, three-in-one combination pH electrode, model 2503 glass pH combination electrode, model 2401 conductivity electrode with ATC and RS232 software. |
| pH DO | MP525 pH/DO Meter | Range: pH: -2.000~19.999pH; DO: 0~20.00 mg/L Accuracy: pH: ± 0.002 pH; DO: ± 0.30 mg/L | pH+DO double-parameter meter with high precision: equipped with flexible electrode holder, three-in-one combination pH electrode, model 2503 glass pH combination electrode, model DO500 DO electrode, intelligent stirrer and RS232 software. |
| Cond. DO | MP526 Cond./DO Meter | Range: Cond: 0~2000mS/cm; DO: 0~20.00 mg/L Accuracy: Cond.: $\pm 0.5\%$ FS; DO: ± 0.30 mg/L | The most cost-effective Cond.+ DO. double-parameter meter, equipped with flexible electrode holder, model 2401 Cond. electrode with ATC, model DO500 DO electrode, intelligent stirrer and RS232 software. |
| pH, ISE, Cond., DO | MP551 pH/Ion/Cond./DO Meter | Range: pH-2.000~19.999pH; Ion: 0~14.00 pX; Cond. 0~2000mS/cm; DO: 0~20.00 mg/L Accuracy: pH: ± 0.002 pH; Cond: $\pm 0.5\%$ FS Ion: $\pm 0.5\%$ reading value/monovalence; $\pm 1.0\%$ reading value/bivalence DO: ± 0.30 mg/L. | The best cost-effective multi-parameter meter with high precision, equipped with flexible electrode holder, three-in-one combination pH electrode, model 2503 glass pH combination electrode, model 2401 conductivity electrode (ATC), model DO500 dissolved oxygen electrode, temperature probe, reference electrode, intelligent stirrer and RS232 software. |

SX800 Series Portable Electrochemical Meter



- Operation Functions** — Auto. calibration, ATC, calibration guide, auto. inspection, self-diagnosis information prompts, calibration caution, calibration date checking, auto. power-off, low voltage display, etc. Simultaneous measurement for multi-parameter instrument.
- Accurate Measurement** — Advanced digital processing technology, stable reading display mode and autolock display mode.
- Data Processing** — GLP standard, clock display, manual storage and auto. timing storage, USB output, data protection in case of power-off.
- Structure Design** — White backlight large LCD, foldable stand, soft rubber booth and connector protection cap, IP57 waterproof, battery and USB power supply, with a portable case.

| Classification | Models | Parameters |
|------------------|-------------------------|----------------------------------|
| Single-parameter | SX811 pH meter | pH/mV/Temp. |
| | SX813 Cond. Meter | Cond/TDS/Sal/Res/Temp. |
| | SX816 DO Meter | DO/Temp. |
| Double-parameter | SX823 pH/Cond. Meter | pH/mV/Cond/TDS/Sal/Res/Temp. |
| | SX825 pH/DO Meter | pH/mV/ DO/Temp. |
| Multi-parameter | SX836 pH/Cond./DO Meter | pH/mV/Cond/TDS/Sal/Res /DO/Temp. |



USB output & USB power supply



Sealed Connector for waterproof



IP57 waterproof



Foldable stand



Comb. electrode for simultaneous measurement



Portable Case

| | | SX811 | SX813 | SX816 | SX823 | SX825 | SX836 |
|---------------------------|-----------|---|---------------|------------------------------|------------------------|---------------------------|---------------|
| Range | pH | (-2.00~19.99)pH | / | / | (-2.00~19.99)pH | | |
| | mV | ±1999mV | / | / | ±1999mV | | |
| | Cond. | / | (0~200)mS | / | (0~200)mS | / | (0~200)mS |
| | TDS | / | (0~100) g/L | / | (0~100) g/L | / | (0~100) g/L |
| | Salinity | / | (0~100) ppt | / | (0~100) ppt | / | (0~100) ppt |
| | Re sivity | / | (0~100) MΩ | / | (0~100) MΩ | / | (0~100) MΩ |
| | DO | / | | (0~20.00)mg/L (0~200.0) % | | (0~20.0)mg/L, (0~200.0) % | |
| | Temp. | (-10~110)°C | | | | | |
| Accuracy | pH | ±0.01pH | / | / | ±0.01pH | | |
| | mV | ±0.1%FS | / | / | ±0.1%FS | | |
| | Cond. | / | ±1.0%FS | / | ±1.0%FS | / | ±1.0%FS |
| | DO | / | | ±0.30 mg/L | / | ±0.30 mg/L | |
| | Temp. | ±0.5°C | | | | | |
| Calibration | pH | 1~3 point | / | / | 1~3 point | | |
| | Cond. | / | 1~4 point | / | 1~4 point | / | 1~4 point |
| | DO | / | / | Air calibration | / | Air calibration | |
| Temp. Compensation | pH | Auto / manual(0~100)°C | | / | Auto/manual (0~100) °C | | |
| | Cond. | / | Auto.(0~50)°C | / | Auto.(0~50)°C | / | Auto.(0~50)°C |
| | DO | / | / | Auto.(0~45)°C | / | Auto.(0~45)°C | |
| Salinity Compensation | DO | / | / | Auto.(0~45)ppt | / | Auto.(0~45)ppt | |
| Air pressure compensation | DO | / | / | Manual (60~200)kPa | / | Manual (60~200)kPa | |
| Data Storage | | | 500 groups | 500 groups | 1000 groups | 1000 groups | 1000 groups |
| Output | | USB | | | | | |
| Power | | AA Batteries×3 pcs (1.5V×3); DC5V (USB interface) | | | | | |
| Dimension (Portable case) | | (360×270×76) mm | | | (480×370×95) mm | | |

SX700 Series of Electrochemical Meters

pH • mV • Cond. • Res. • TDS • Sal. • DO • Temp.

- Special 8-pin waterproof connector which four different electrodes (pH, ORP, Conductivity, DO) can be plugged into, ability of the meter to recognize automatically those electrodes.
- Automatic calibration, automatic temperature compensation, automatic ranging, function setup, automatic power-off, low voltage display, etc.
- Data storage 100-400 groups, IP57 waterproof.
- "Mobile Laboratory"—— meter, electrode, standard solution and other accessories are all in a portable case.



| Portable Product Category | |
|---------------------------|---|
| Single-parameter | SX711 pH meter |
| | SX712 ORP meter |
| | SX713 Conductivity/TDS/Salinity/Resistivity Meter |
| | SX713-02 High purity water Conductivity/Resistivity Meter |
| | SX716 Dissolved Oxygen Meter |
| Double-parameter | SX721 pH/ORP Meter |
| | SX723 pH/Conductivity Meter |
| | SX725 pH/Dissolved Oxygen Meter |
| | SX726 Conductivity/Dissolved Oxygen Meter |
| Multi-parameter | SX731 pH/ORP/Conductivity Meter |
| | SX736 pH/Conductivity/Dissolved Oxygen Meter |
| | SX751 pH/ORP/Conductivity/Dissolved Oxygen Meter |

| Specifications | |
|------------------|---|
| pH | Range: -2.00~19.99pH; Accuracy: ±0.01 pH, ATC: 0~100°C |
| ORP | Range: ±1999 mV; Accuracy: ±0.1%FS |
| Conductivity | Range: Conductivity: 0~200mS/cm; TDS: 0~100g/L Salinity: 0~100ppt; Resistivity: 0~100MΩ·cm Accuracy: ±1.0%FS; ATC: 0~50°C |
| Dissolved Oxygen | Range: 0~20.00mg/L (ppm); 0~199.9% Accuracy: ±0.30 mg/L |
| Date Storage | 100~400 groups |
| Power | AA batteries (1.5V x 2), continuous operation >100 hours: |
| IP Rating | IP57 waterproof |
| Dimension/Weight | Meter: (65×120×31) mm /180g Small portable case: (255×210×50) mm / 790g Big portable case: (360×270×76) mm / 1.7Kg |

| | |
|-------------------|---|
| pH Measurement | Ability to set two special pH measurement modes of high purity water and purity water with ammonia. |
| Cond. Measurement | Adopts conductivity electrode (k=1, ATC), one-point calibration, measurement range: 0.5μS/cm ~ 200mS/cm, have non linear temperature compensation of high purity water. |
| DO Measurement | Polarographic DO electrode, automatic salinity and temperature compensation, manual air pressure compensation, polarization for only 3 to 5 minutes. |



Waterproof connector



DO electrode,
Calibration cover and membrane cap



Meets IP57 waterproof



Cond./Res.
Measurement of high purity water

SX600 Series of Waterproof Testers

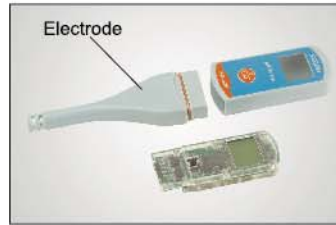


- The smallest and thinnest shape: 148×29×14mm. The diameter of the electrode: 10mm. The single button operation, easy to use.
- The intelligent functions: automatic calibration, automatic temperature compensation, switches of °C/°F, automatic power-off, low voltage alarm, pH electrode invalidation display, automatic ranging, etc.
- The reliable structure design: meets IP54 waterproof. Replaceable electrodes, calibration solution and standby batteries in a portable case.

| Model | SX610 pH Tester | SX620 pH Tester | SX630 ORP Tester | SX650 Cond./Res./TDS/Sal. Tester |
|----------------------|---|-----------------------------------|------------------------------|---|
| Range | pH: 0~14.0 pH Temp.: 0~60°C | pH:-1.00~15.00pH Temp.: 0~60°C | ±1999mV | Cond.: 0~50.0 mS/cm; TDS: 0~35.0g/L; Sal.: 0~25.0 ppt Res.: 0~20.0 MΩ.cm; Temp.: 0~50°C |
| Accuracy | ±0.1 pH; ±1.0°C | ±0.01pH; ±1.0°C | ±0.2% FS | ±1.0% FS; ±0.5°C |
| ATC | 0~60°C | 0~60°C | No | 0~50°C |
| Calibration Solution | pH7.00 | pH4.00/7.00/10.01 | ORPStandard solution (222mV) | 1413μS/cm |
| Power | DC1.5V, 2 ×lithium batteries (CR2032) shunt-wound | | | |
| Di mension/Weight | Meter: 148×29×14mm, Weight: 43g Portable case: 168×96×28mm, Weight: 180 g | | | |



Accessories for complete kit



Replaceable electrodes










Replaceable batteries



IP 57 Waterproof

Economy Pocket Testers

- Intelligent functions: auto. calibration, auto. power-off, low voltage alarm for all economy pocket testers; auto. temp. compensation and auto. ranging for Model 5021,5041 and 5051 testers.
- IP57 waterproof for all economy pocket testers, replaceable electrodes for model PHB-3 pH tester and 5041 ORP tester.

| |  |  |  |  |  |  |  |
|----------------------|---|---|---|---|---|---|---|
| Model | PHB-3 pH Tester | 5021 Conductivity Tester | 5031 TDS Tester | 5041 ORP Tester | 5051 Salinity Tester | 5052 Seawater Salinity Tester | 5053 High Concentration Salinity Tester |
| Range | 0~14.0pH | 0~10.00mS/cm Auto. ranging | 0~5.00 ppt Auto. ranging | ±1000 mV | 0~5.00 ppt | 0~100.0ppt 0.01/0.1ppt | 0~20.0% 0.1% |
| Resolution | 0.1 pH | 0.1/1 μS; 0.01 mS | 0.1/1 ppm; 0.01 ppt | 1 mv | 0.01 ppt | ±1.5%FS | ±2%FS |
| Accuracy | ±0.1 pH±1digit | ±2%FS | ±2%FS | ±0.5%FS | ±2%FS | Yes | Yes |
| ATC | No | Yes | Yes | No | Yes | Yes | Yes |
| Calibration Solution | Yes | Yes | Yes | No | Yes | | |
| Power | AAA batteries ×2, 1.5V×2 | | | | | | |
| Dimension & Weight | 39×25×176 mm/87g | | | | | | |

Economy pH Meter and Cond.Meter

- Intelligent single chip design, automatic calibration, automatic or manual temperature compensation.
- Backlit display, simultaneous display of pH and temperature value.
- Electrode slope display after calibration.



PHS-3D-01 pH Meter



PHS-3D-02 pH Meter



PHS-3D-03 pH Meter

| Model | PHS-3D-01 pH Meter | PHS-3D-02 pH Meter | PHS-3D-03 pH Meter |
|--------------------------|---|---|---|
| Range | pH: 0~14.00 pH, mV: ± 1999 mV, Temp: 0~100°C | | |
| Resolution | pH: 0.1/0.01 pH; mV: 1mV; Temp: 0.1°C | | |
| Accuracy | pH: ± 0.01 pH, mV: $\pm 0.1\%$ FS, Temp: $\pm 1^\circ$ C | | |
| Temperature Compensation | 0~100 °C manual | 0~100 °C manual / automatic | |
| Storage & Record | 25 groups/ record the max. and min. value | | |
| Communication Connector | RS232 output | | |
| Power | DC9V/300mA | | |
| Dimension & Weight | 160×190×70 (mm) / 750 g | | |
| Meter Kits | 1.PHS-3D pH meter 2.201-C plastic pH combination probe 3.pH buffer solution 4.DC9V adaptor | 1.PHS-3D pH meter 2.201T-M pH/ATC trinal combination probe 3.Model 600 electrode holder 4.pH buffer solution 5.DC9V adaptor | 1.PHS-3D pH meter 2.201T-M plastic pH trinal combination probe 3.Temperature probe 4.Model 601 electrode holder with stirrer 5.RS232 communication software and cable 6.pH buffer solution 7.DC9V adaptor |

DDS-11C Conductivity Meter



| Model | DDS-11C Conductivity Meter |
|--------------------------|--|
| Range | 0 ~ 200 mS/cm, divided into 4 ranges: 0~199.9 μ S; 2.00~1999 μ S; 20.0~199.9 mS; 20.0~199.9 mS |
| Accuracy | $\pm 1.0\%$ FS |
| Temperature Compensation | (0 ~ 50) °C (manual and automatic) |
| Data Storage | 50Groups |
| Power | DC9V/300mA |
| Dimension & Weight | 160×190×70(mm) / 750 g |
| Meter Kits | 1. 2301-F Plastic Conductivity Electrode (K=1,ATC) , 2. 1413 μ S/cm Conductivity Standard Solution (50ml), 3. Model 600 Electrode Holder, 4. 9V Power Adapter |

- Automatic calibration, automatic temperature compensation.
- Employing only one conductivity electrode (K=1) to measure the full scale.
- Automatic ranging and units switching.

Electrode Holder



Model 600
Basic Electrode Holder



Model 602
Flexible Electrode Holder



Model 601
Electrode Holder with Stirrer

| | |
|-------------------------------------|---------------------------|
| Speed range | 0 to 2300 rpm (no load) |
| Working diameter | $\phi 120$ mm |
| Installing size | $\phi 16$ mm $\phi 13$ mm |
| Space for up and down for the clamp | 0 to 90mm |
| Max. stirring content | 3000ml |
| Length of electrode stick | 260mm |
| Power | DC9V Power Adaptor |
| Dimension | $\phi 120 \times 49$ mm |

Water Hardness Meter and Acid-Alkali Concentration Meter

Water Hardness Meter



YD200 Lab Water Hardness Meter



YD300 Portable Water Hardness Meter

- Match model 601 water hardness combination electrode. Equal selectivity for the calcium and magnesium ions in water samples, quick response and easy to use.
- Intelligent chip design, with automatic calibration, automatic temperature compensation, automatic ranging, data storage, etc. Ability to switch among eight units: mmol/L, mg/L (CaCO₃), mg/L (CaO), mmol/L (Boiler), mg/L (Ca), °fH, °dH and °eH.

| Model | YD200 Lab Water Hardness Meter | YD300 Portable Water Hardness Meter |
|--------------------------|---|---------------------------------------|
| Range | 0~10 mmol/L or 0~1000 mg/L (CaCO ₃) | |
| Resolution | 0.01 and 0.1 water hardness units | |
| Accuracy | ±5%FS | |
| Temperature Compensation | (5 ~ 50) °C (automatic or manual) | (5 ~ 50) °C (automatic) |
| Communication Connector | RS232 | No |
| Calibration Solution | B1, B2 and B3 one bottle each (250mL) | B1, B2 and B3 one bottle each (100mL) |
| Data Storage | 128 groups | 99 groups |
| Power | DC9V power adaptor | 2x AA batteries (1.5V x 2) |
| IP Rating | No | IP57 waterproof |

Acid-Alkali Concentration Meter



SX5150



SX7110, SX7120 and SX7150

- Unique electrode method to measure acid and alkali concentration, one electrode can measure the full scale.
- Extensive applications, can measure general acid and alkali concentration, acid and alkali concentration electrode is corrosion-resistant and easy-to-clean.

| Model | SX5150 Lab Acid-Alkali Meter | SX7110 Portable Acid Meter | SX7120 Portable Alkali Meter | SX7150 Portable Acid-Alkali Meter |
|-------------------------|--|-----------------------------|------------------------------|-----------------------------------|
| Specifications | Range: 0~15.00%; Resolution: 0.01 %; Accuracy: ±5% reading value or ±0.5% (whichever is greater) | | | |
| Electrode | ND800-S Acid-Alkali Concentration Electrode | | | |
| Data Storage | 999 groups | 200 groups | 200 groups | 300 groups |
| Communication Connector | RS232 software | No | | |
| Power | DC9V power adaptor | 2 x AA Batteries (1.5V x 2) | | |
| IP Rating | IP54 dustproof and splashproof | IP57 waterproof | | |

Solutions tested by Acid meter: H₂SO₄, HCl, HNO₃ and NaCl; Solutions tested by Alkali meter: NaOH, Na₂CO₃, KOH and NaCl.
Solutions tested by Acid-Alkali meter: H₂SO₄, HCl, HNO₃, NaOH, Na₂CO₃, KOH and NaCl.

Portable Fluoride Concentration Meter



WS100 Portable pH/Fluoride Meter



WS200 Portable pH/TDS/Fluoride Meter

- Three-in-one combination fluoride electrode which consists of ion electrode, reference electrode and temperature probe, stable potential and fast response.
- Stirring and reagent are not required, able to directly test fluoride in sample, able to switch three concentration units: mg/L, ppm and pF.
- Built-in chip, have intelligent functions such as automatic calibration, ATC, data storage, function set-up, and self-diagnostic information.
- High accuracy, able to test fluoride concentration, pH, ORP, conductivity, TDS, resistivity, salinity and temperature in water solutions.

| | WS100 Portable pH/Fluoride Meter | WS200 Portable pH/TDS/Fluoride Meter |
|------------------------|---|---|
| Fluoride Concentration | Range: 0~9.00pF; Accuracy: ±0.01pF; Temperature Compensation: 0~80℃ (ATC) ; Unit: mg/L, ppm, pF | |
| pH | Range: 0~14.00pH; Accuracy: ±0.01pH; Temperature Compensation: 0~100℃ (ATC) | |
| mV(ORP) | Range: ±1999mV; Accuracy: ±0.1%FS | |
| Conductivity | / | Cond.: 0~200mS/cm; TDS: 0~100g/L; Sal.: 0~100ppt; Res.: 0~100±MΩ Accuracy: ±1.0%FS |
| Electrode | F501 fluoride electrode 201T-S pH electrode | F501 Fluoride electrode 201T-S pH electrode 2301 conductivity electrode |
| Data Storage | 200 groups | 200 groups |
| Power | 2×AA Batteries (1.5V×2) | |
| IP Rating | IP57 Waterproof | |

Magnetic Stirrer



Model 901 Intelligent Stirrer

- Ability to set and store the stirring rate
- Waterproof housing with transparent coping design.
- AC/DC selective, portable product can be used infield and incubator.

| | |
|-----------------------|--|
| Speed range | 0 to 2300 rpm (no load) |
| Working diameter | Φ100 mm |
| Max. stirring content | 1000 ml |
| Power | DC6V Power Adaptor or AA batteries |
| Dimension | 100×146×48mm |
| Accessories | Batteries, power adaptor, holder, electrode clamp and stir beads |



Model 801 Magnetic Stirrer:

| | |
|-----------------------|--------------------------------|
| Speed range | 0 to 2300 rpm (the empty load) |
| Working diameter | φ120mm |
| Max. stirring content | 3000ml |
| Power | DC9V Power Adaptor |
| Dimension | Φ120 x 49mm |



802 Heating Magnetic Stirrer

| | |
|---------------|----------------------|
| Heating power | 40W |
| Surface Temp. | 120℃ (no load) |
| Rate Range | 0~2300 R/M (no load) |
| Max. Capacity | 1000ml |
| Power | AC220V, 50HZ |
| Dimension | Φ120×53 mm |

Lab. pH Electrode, ORP Electrode, Conductivity Electrode & Ion Electrode



201-C 200-C 201B-F 2015P-C 301Pt-C 3501Pt-C DJS-0.1 2401-C 2310-C 7801 601 F502 CL502

pH combination electrode & ORP combination electrode

| Model | Description | Features and Applications | Temperature | pH Range |
|----------|---|---|-------------|----------|
| 201-C | Plastic pH combination electrode | Gel KCL, no need to refill KCL, general use for lab. and in field. | 0~80°C | 0~14 pH |
| 200-C | Plastic pH combination electrode | General use for lab., can refill KCL, suited for continuous testing and long time. | 0~80°C | 0~14 pH |
| 201B-F | Plastic pH three-in-one combination electrode | Gel KCL, no need to refill KCL, built-in temperature measuring element, simultaneous measurement of pH and temperature. | 0~80°C | 0~14 pH |
| 2015P-C | Surface pH combination electrode | Suited for flat objects such as skin, fruit, meat, paper and micro-solution. | 5~80°C | 0~14 pH |
| 301Pt-C | Plastic ORP combination electrode | Gel KCL, no need to refill KCL, general use for lab. and in field. | 0~80°C | — |
| 3501Pt-C | Glass ORP combination electrode | General use for lab., can refill KCL, suited for continuous testing and long time. | 0~90°C | — |

Conductivity Electrode

| Model | Description | Electrode Constant | Range | Features and Applications |
|-----------|--------------------------------|-------------------------------|--------------------------------|---|
| DJS-0.1-C | Glass conductivity electrode | $0.1 \pm 0.02 \text{cm}^{-1}$ | 0~200 $\mu\text{S/cm}$ | Suited for measurement of pure water and ultrapure water, equipped with removable glass flow cell, able to assemble platinum resistor or thermistor. |
| 2301-C | Plastic conductivity electrode | $1.0 \pm 0.2 \text{cm}^{-1}$ | 0.5 $\mu\text{S/cm}$ ~200mS/cm | Plastic shell, collision and impact resistant, suited for application in laboratory and in field, able to assemble platinum resistor or thermistor. |
| DJS-1-C | Glass conductivity electrode | $1.0 \pm 0.2 \text{cm}^{-1}$ | 0.5 $\mu\text{S/cm}$ ~200mS/cm | General lab application, the glass housing is corrosion resistant. |
| 2401-C | Glass conductivity electrode | $1.0 \pm 0.2 \text{cm}^{-1}$ | 0.5 $\mu\text{S/cm}$ ~200mS/cm | Cavity structure, high accuracy and better repeatability, suited for measurement with high-precision, able to assemble platinum resistor or thermistor. |
| 2310-C | Plastic conductivity electrode | $10 \pm 1 \text{cm}^{-1}$ | 20~2000mS/cm | Suited for high concentration of electrolyte solution such as seawater and strong brine, able to assemble platinum resistor or thermistor. |

Ion Electrodes

| Model | Description | Sensitive Film Description | Measurement Range | Temperature Range | Reference Electrode |
|-------|--|----------------------------|---|-------------------|---------------------|
| 7801 | Low Na ⁺ electrode | Glass film | 1~7 pNa (10^{-1} ~ 10^{-7} mol/L) | 15~45 °C | Model 6212 |
| CA501 | Ca ²⁺ combination electrode | PVC film | 1~5 pCa (10^{-1} ~ 10^{-5} mol/L) | 5~60 °C | / |
| 601 | Ca ²⁺ /Mg ²⁺ combination electrode | PVC film | 1~5 pCa/Mg (10^{-1} ~ 10^{-6} mol/L) | 5~60 °C | / |
| F502 | F ⁻ electrode | Single Crystal film | 1~6 pF (10^{-1} ~ 10^{-6} mol/L) | 5~45 °C | Model 6211 |
| CL502 | Cl ⁻ electrode | Solid film | 1~4.3 pCl (10^{-1} ~ 5×10^{-6} mol/L) | 5~60 °C | Model 6215 |
| BR502 | Br ⁻ electrode | Solid film | 1~5.3 pBr (10^{-1} ~ 5×10^{-6} mol/L) | 5~60 °C | Model 6215 |
| I502 | I ⁻ electrode | Solid film | 1~6.3 pI (10^{-1} ~ 5×10^{-7} mol/L) | 5~60 °C | Model 6215 |
| CU502 | Cu ²⁺ electrode | Solid film | 1~6.3 pCu (10^{-1} ~ 5×10^{-7} mol/L) | 5~60 °C | Model 6215 |

Industrial pH& ORP Electrode

Model 2615 double junction pH (ORP) combination electrode



2615 pH Electrode



2615P pH Electrode



2615 ORP Electrode

Model 2615

| Model | Model 2615 pH electrode | Model 2615P pH electrode | Model 2615 ORP electrode |
|------------------|--|--------------------------|--------------------------|
| Range | 0~14 pH | 2~12 pH | ±1500mV (Platinum ring) |
| Structure | Cricoid polytetrafluoroethylene junction, double junction reference electrode, gel electrolyte | | |
| Material | PPS(polyphenylene sulfide) shell | | |
| Thread | 3/4 " NPT | | |
| Temp. probe | Pt100、Pt1000 or thermistor as required | | No |
| Ground electrode | install as required | | |
| Working temp. | (0~80) °C | (0~60) °C | (0~80) °C |
| Cable | 5m~20m low noise shielded cable, insert terminal | | |

| Description | Range | Temperature | Bulb pH | Surface pH | Temp. electrode | Grounded electrode | |
|-----------------------|---------|-------------|---------|------------|-----------------|--------------------|---|
| 2615 pH electrode | 0~14 pH | 0~80°C | ✓ | | | | |
| 2615-T pH electrode | | | ✓ | | ✓ | | |
| 2615-D pH electrode | | | ✓ | | | | ✓ |
| 2615-DT pH electrode | | | ✓ | | | ✓ | ✓ |
| 2615P pH electrode | 2~12pH | 0~60°C | | ✓ | | | |
| 2615P-T pH electrode | | | | ✓ | ✓ | | |
| 2615P-D pH electrode | | | | ✓ | | | ✓ |
| 2615P-DT pH electrode | | | | ✓ | ✓ | ✓ | ✓ |
| 2615 ORP electrode | ±1500mV | 0~80°C | | | | | |
| 2615D ORP electrode | | | | | | ✓ | |

Model HT2513 pH (ORP) Comb. Electrode

- three-in-one electrode (measuring electrode, reference electrode and grounded electrode), strong anti-interference.
- Glass grinded junction, stable junction potential.
- Capillary reference electrode with stable reference electrode.
- Detachable electrode shell and protection cap, easy to install and clean.
- Gel electrolyte, no need to refill KCl solution.
- Standard Pg13.5 threaded electrode head
- Dimension for submergence electrode: $\varnothing 33 \times 1000$ mm
- Dimension for flow electrode: $\varnothing 33 \times 220$ mm
- Dimension for glass electrode: $\varnothing 12 \times 155$ mm
- Cable: L= 3~10 m(set by user)

| Description | Range | Temperature | Applications |
|----------------------|---------|-------------|----------------------------------|
| HT2513G pH electrode | 0~14 pH | 5~90°C | General industrial process |
| HT2513S pH electrode | 0~10 pH | 20~90°C | High temperature and strong acid |
| HT2513D pH electrode | 2~12 pH | 0~60°C | Low temperature and pure water |
| HT2513 ORP electrode | ±1500mV | 0~90°C | Industrial process |



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