

Portable Multi Parameter Water Quality Meter

Portable Multi Parameter Water Quality Meter



Portable Multi-parameter Water Quality Meter LMPWM-A10 is adapted with different modes for measuring quality of water on different parameters such as pH, ORP, Ion, conductivity, TDS, salinity, dissolved oxygen content. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing & for research purpose. It is reliable and user friendly.

Features:

- **Common Features**
- Calibration due reminder informs operator to calibrate the meter regularly
- Stability indicator displays the status of current measurement
- Auto hold function freezes stable, final readings for better viewing and recording
- Manual temperature calibration to rectify the deviations in temperature
- Automatic temperature compensation for accurate measured value over the entire range
- Selectable temperature units (°C or °F) for different application requirements
- Expanded memory stores and records up to 500 readings
- Help message as an operational guide, helps users for quick access to the parameters
- Reset function automatically resumes all the setting back to factory default options
- Store data is transferrable into computer via USB communication interface
- **pH mode**
- 1-5 points push button calibration to automatically identify pH buffer
- Convenient to select pH buffer standard (USA/NIST/DIN) or custom
- Automatic electrode slope display helps operator whether to replace the sensor
- **ORP mode**
- 1 point offset calibration to adjust the display value to known standard
- Relative & absolute mV measurements for accurate ORP readings
- **Ion concentration mode**
- 2-5 points calibration, included with 8 concentration points for selection
- Automatic recognition of ion electrodes, no need to specify type of ion
- mV measurements mode for checking the performance of current ion electrode
- Direct reading of concentration measurements to avoid critical conversation and calculations
- Multiple concentration units to be suitable for various applications
- **Conductivity / TDS / Salinity / Resistivity Mode**
- 1-5 point for calibration with automatically identification of calibration solutions
- Can select cell constant (0.1/1/10) and normalization temperature (20°C or 25°C)
- TDS conversion factor, seawater, practical salinity measurements mode to meet different water quality measurement requirements
- Linear or pure water compensation improves the measurement accuracy
- **Dissolved oxygen mode**
- 1-2 points calibration using the air-sealed water & zero oxygen solution
- Manual salinity & barometric pressure compensation for accurate readings

Applications:

The portable multi-parameter water quality meter is used for quality testing of water on different parameters in research and development labs, water resources and plants in nearby or remote area.

Specifications:

Model no.	LD-LMPWM-A10
Memory	Stores up to 500 data sets
Output	USB communication interface
Weight	300 g
pH mode	<div id=
Accuracy	$\pm 2.0 \%$
TDS factor	0.1 - 1.0 (default 0.5)
DO accuracy	$\pm 0.2 \text{ mg/L}$
Resistivity	<div id=
pH accuracy	$\pm 0.002 \text{ pH}$
ORP accuracy	$\pm 0.2 \text{ mV}$
Power supply	3 $\times$ 1.5 V “AA batteries or DC 5 V power adapter
TDS accuracy	$\pm 1 \%$ F.S.
Cell constant	K = 0.1, 1, 10 or user-defined
Ion accuracy	$\pm 0.5 \%$ F.S. (monovalent), $\pm 1 \%$ F.S. (divalent)
Calibration due	0 to 31 days
Ion measurement	<div id=
ORP measurement	<div id=
Dissolved oxygen	<div id=
TDS measurement	<div id=
Measurement modes	Seawater or practical salinity
Salinity accuracy	$\pm 1 \%$ F.S
Calibration points	1 - 2 points
Compensation modes	Linear or pre water
Pressure correction	60.0 to 112.5 kPa, 450 - 850 mmHg
Salinity correction	0 to 50 g/L
Resistivity accuracy	$\pm 1 \%$ F.S
Salinity measurement	<div id=

Stability conditions	Low or high
pH calibration points	1 - 5 points
% Saturation of Oxygen	0.0 to 200.0 %
Conductivity accuracy	± 0.5 % F.S.
Ion calibration points	2 - 5 points
ORP calibration points	1 point
Resistivity resolution	0.01, 0.1, 1
Dimension (L × W × H)	185 × 88 × 32 mm
Temperature coefficient	0.0 to 10.0 % / °C
Conductivity measurement	<div id=
Temperature compensation	0 to 100 °C, 32 to 212 °F, Manual or Automatic
pH calibration solutions	USA, NIST, DIN or user defined
Ion calibration solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000 ppm, mol/L, mg/L
Normalization temperature	20 °C or 25 °C
ORP calibration solutions	mV & relative mV
Conductivity calibration points	1 - 5 points
Conductivity calibration solutions	10 µS / cm, 84 µS / cm, 1413 µS / cm, 12.88mS / cm, 111.8mS / cm

Portable Multi-parameter Water Quality Meter LMPWM-A11 is adapted with different modes for measuring quality of water on different parameters such as pH, ORP, conductivity, TDS, salinity. Its memory can store & recalls up to 500 sets of data. Due to its portable design, it is suitable for outdoor measurements i.e. on site water testing, remote area water testing & for research purpose. It is reliable and user friendly.

Features:

- **Common Features**
- Calibration due reminder informs operator to calibrate the meter regularly
- Stability indicator displays the status of current measurement
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- Automatic temperature compensation for accurate measured value over the entire range
- Selectable temperature units (°C or °F) for different application requirements
- Expanded memory stores and records up to 500 readings
- Help message as an operational guide, helps users for quick access to the parameters
- Reset function automatically resumes all the setting back to factory default options
- Store data is transferrable into computer via USB communication interface
- **pH mode**
- 1-5 points push button calibration to automatically identify pH buffer
- Convenient to select pH buffer standard (USA/NIST/DIN) or custom
- Automatic electrode slope display helps operator whether to replace the sensor
- **ORP mode**
- 1 point offset calibration to adjust the display value to known standard
- Relative & absolute mV measurements for accurate ORP readings
- **Conductivity / TDS / Salinity / Resistivity Mode**
- 1-5 point for calibration with automatically identification of calibration solutions
- Can select cell constant (0.1/1/10) and normalization temperature (20°C or 25°C)
- TDS conversion factor, seawater, practical salinity measurements mode to meet different water quality measurement requirements
- Linear or pure water compensation improves the measurement accuracy

Applications:

The portable multi-parameter water quality meter is used for quality testing of water on different parameters in research and development labs, water resources and plants in nearby or remote area.

Specifications:

Model no.	LD-LMPWM-A11
Memory	Stores up to 500 data sets
Output	USB communication interface
Weight	300 g

pH mode	<div id=
TDS factor	0.1 - 1.0 (default 0.5)
Resistivity	<div id=
pH accuracy	± 0.002 pH
ORP accuracy	±0.2 mV
Power supply	3 × 1.5 V “AA batteries or DC 5 V power adapter
TDS accuracy	± 1 % F.S.
Cell constant	K = 0.1, 1, 10 or user-defined
Calibration due	0 to 31 days
Ion measurement	<div id=
ORP measurement	<div id=
Dissolved oxygen	<div id=
TDS measurement	<div id=
Measurement modes	Seawater or practical salinity
Salinity accuracy	± 1 % F.S
Compensation modes	Linear or pre water
Resistivity accuracy	± 1 % F.S
Salinity measurement	<div id=
Stability conditions	Low or high
pH calibration points	1 - 5 points
Conductivity accuracy	± 0.5 % F.S.
ORP calibration points	1 point
Resistivity resolution	0.01, 0.1, 1
Dimension (L × W × H)	185 × 88 × 32 mm
Temperature coefficient	0.0 to 10.0 % / °C
Conductivity measurement	<div id=
Temperature compensation	0 to 100 °C, 32 to 212 °F, Manual or Automatic
pH calibration solutions	USA, NIST, DIN or user defined
Normalization temperature	20 °C or 25 °C

ORP calibration solutions	mV & relative mV
Conductivity calibration points	1 - 5 points
Conductivity calibration solutions	10 μ S / cm, 84 μ S / cm, 1413 μ S / cm, 12.88mS / cm, 111.8mS / cm

Portable Multi-parameter Water Quality Meter LMPWM-A20

Portable Multi-parameter Water Quality Meter LMPWM-A20 is adapted with different modes for measuring quality of water on different parameters. This meter can measure pH, ORP, conductivity, TDS content from test sample. It can store & recalls up to 500 sets of data. It is reliable and user friendly, suitable for outdoor measurements.

Features:

- **Common Features**
- Calibration due reminder informs operator to calibrate the meter regularly
- Stability indicator displays the status of current measurement
- Auto hold function freezes stable, final readings for better viewing and recording
- Manual temperature calibration to rectify the deviations in temperature
- Automatic temperature compensation for accurate measured value over the entire range
- Selectable temperature units (°C or °F) for different application requirements
- Expanded memory stores and recalls up to 500 readings
- Help message as an operational guide, helps users for quick access to the parameters
- Reset function automatically resumes all the setting back to factory default options
- Store data is transferrable into computer via USB communication interface
- **pH mode**
- 1-5 points push button calibration to automatically identify pH buffer
- Convenient to select pH buffer standard (USA/NIST/DIN) or custom
- Automatic electrode slope display helps operator whether to replace the sensor
- **ORP mode**
- 1 point offset calibration to adjust the display value to known standard
- Relative & absolute mV measurements for accurate ORP readings
- **Conductivity / TDS mode**
- 1-5 point for calibration with automatic identification of calibration solutions
- Can select cell constant (0.1/1/10) and normalization temperature (20°C or 25°C)
- TDS conversion factor, seawater, practical salinity measurements mode to meet different water quality measurement requirements
- Linear or pure water compensation improves the measurement accuracy

Applications:

The portable multi-parameter water quality meter is used for quality testing of water, and other solvents on different testing parameters in research and development labs, water resources and plants in nearby or remote area.

Specifications:

Model no.	LD-LMPWM-A20
Memory	Stores up to 500 data sets
Output	USB communication interface
Weight	300 g
Display	LCD

pH mode	<div id=
Connector	BNC, 6- pin MINI connector
TDS factor	0.1 - 1.0 (default 0.5)
pH accuracy	± 0.002 pH
ORP accuracy	±0.2 mV
Power supply	3 × 1.5 V “AA batteries or DC 5 V power adapter
TDS accuracy	± 1 % F.S.
Cell constant	K = 0.1, 1, 10 or user-defined
Calibration due	0 to 31 days
ORP measurement	<div id=
TDS measurement	<div id=
Compensation modes	Linear or pre water
Stability conditions	Low or high
pH calibration points	1 - 5 points
Conductivity accuracy	± 0.5 % F.S.
ORP calibration points	1 point
Dimension (L × W × H)	170×85×30 mm
Temperature coefficient	0.0 to 10.0 % / °C
Conductivity measurement	<div id=
Temperature compensation	0 to 100 °C, 32 to 212 °F, Manual or Automatic
pH calibration solutions	USA, NIST, DIN or user defined
Normalization temperature	20 °C or 25 °C
ORP calibration solutions	mV & relative mV
Conductivity calibration points	1 - 5 points
Conductivity calibration solutions	10 µS / cm, 84 µS / cm, 1413 µS / cm, 12.88mS / cm, 111.8mS / cm

Portable Multi-parameter Water Quality Meter LMPWM-A21 is adapted with different modes for measuring quality of water on different parameters. This meter can measure pH, ORP, Dissolved Oxygen content from test sample. It can store & recalls up to 500 sets of data. It is reliable and user friendly, suitable for outdoor measurements.

Features:

- **Common Features**
- Calibration due reminder informs operator to calibrate the meter regularly
- Stability indicator displays the status of current measurement
- Auto hold function freezes stable, final readings for better viewing and recording
- Manual temperature calibration to rectify the deviations in temperature
- Automatic temperature compensation for accurate measured value over the entire range
- Selectable temperature units (°C or °F) for different application requirements
- Expanded memory stores and recalls up to 500 readings
- Help message as an operational guide, helps users for quick access to the parameters
- Reset function automatically resumes all the setting back to factory default options
- Store data is transferrable into computer via USB communication interface
- **pH mode**
- 1-5 points push button calibration to automatically identify pH buffer
- Convenient to select pH buffer standard (USA/NIST/DIN) or custom
- Automatic electrode slope display helps operator whether to replace the sensor
- **ORP mode**
- 1 point offset calibration to adjust the display value to known standard
- Relative & absolute mV measurements for accurate ORP readings
- **Dissolved oxygen mode**
- 1-2 points calibration using the air-sealed water & zero oxygen solution
- Manual salinity & barometric pressure compensation for accurate readings

Applications:

The portable multi-parameter water quality meter is used for quality testing of water, and other solvents on different testing parameters in research and development labs, water resources and plants in nearby or remote area.

Specifications:

Model no.	LD-LMPWM-A21
Memory	Stores up to 500 data sets
Output	USB communication interface
Weight	300 g
Display	LCD
pH mode	
Accuracy	± 2.0 %

Connector	BNC, 6- pin MINI connector
DO accuracy	± 0.2 mg/L
pH accuracy	± 0.002 pH
ORP accuracy	±0.2 mV
Power supply	3 × 1.5 V “AA batteries or DC 5 V power adapter
Calibration due	0 to 31 days
ORP measurement	<div id=
Dissolved oxygen	<div id=
Calibration points	1 - 2 points
Pressure correction	60.0 to 112.5 kPa, 450 - 850 mmHg
Salinity correction	0 to 50 g/L
Stability conditions	Low or high
pH calibration points	1 - 5 points
% Saturation of Oxygen	0.0 to 200.0 %
ORP calibration points	1 point
Dimension (L × W × H)	170×85×30 mm
Temperature compensation	0 to 100 °C, 32 to 212 °F, Manual or Automatic
pH calibration solutions	USA, NIST, DIN or user defined
ORP calibration solutions	mV & relative mV

Portable Multi-Parameter Water Quality Meter LD-LMPWM-B10 is a modular water quality monitoring system designed for comprehensive measurement of multiple water quality parameters. It supports up to seven interchangeable probes and features an automatic cleaning wiper for reliable long-term monitoring in environmental, aquaculture and industrial water applications.

Features:

- Modular multi-parameter configuration for flexible monitoring
- Supports up to seven interchangeable sensor probes
- Automatic wiper system helps reduce sensor fouling during extended deployment
- Replaceable digital sensor design simplifies sensor maintenance
- Suitable for continuous and unattended water quality monitoring
- Robust construction for field and submerged applications
- Multiple communication and integration options

Applications:

Suitable for rivers, lakes, reservoirs, groundwater, aquaculture, drinking water sources, environmental monitoring, industrial and process water, and long-term unattended water-quality monitoring.

Specifications:

Model no.	LD-LMPWM-B10																
PH	<table><tr><td>Measuring principle</td><td>Electrode method</td></tr><tr><td>Measuring range</td><td>0-14</td></tr><tr><td>Measuring accuracy</td><td>±0.1</td></tr><tr><td>Resolution</td><td>0.01</td></tr><tr><td>Temperature compensation</td><td>Yes</td></tr><tr><td>Working temperature</td><td>0-50°C</td></tr><tr><td>Storage Temperature</td><td>0-60°C</td></tr><tr><td>Calibration way</td><td>Two or three point calibration</td></tr></table>	Measuring principle	Electrode method	Measuring range	0-14	Measuring accuracy	±0.1	Resolution	0.01	Temperature compensation	Yes	Working temperature	0-50°C	Storage Temperature	0-60°C	Calibration way	Two or three point calibration
Measuring principle	Electrode method																
Measuring range	0-14																
Measuring accuracy	±0.1																
Resolution	0.01																
Temperature compensation	Yes																
Working temperature	0-50°C																
Storage Temperature	0-60°C																
Calibration way	Two or three point calibration																
COD	<table><tr><td>Measuring principle</td><td>Spectrophotometric ultraviolet absorption</td></tr><tr><td>Measuring range</td><td>0.1~200mg/L (equiv. KHP)</td></tr><tr><td>Linearity</td><td>±2% or 0.5 mg/L take the bigger(equiv. KHP)</td></tr></table>	Measuring principle	Spectrophotometric ultraviolet absorption	Measuring range	0.1~200mg/L (equiv. KHP)	Linearity	±2% or 0.5 mg/L take the bigger(equiv. KHP)										
Measuring principle	Spectrophotometric ultraviolet absorption																
Measuring range	0.1~200mg/L (equiv. KHP)																
Linearity	±2% or 0.5 mg/L take the bigger(equiv. KHP)																

	<table> <tr> <td>Resolution</td><td>0.1mg/L (equiv. KHP)</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+60°C</td></tr> <tr> <td>Calibration way</td><td>One or two point calibration</td></tr> </table>	Resolution	0.1mg/L (equiv. KHP)	Working temperature	0-50°C	Storage Temperature	-20°C~+60°C	Calibration way	One or two point calibration								
Resolution	0.1mg/L (equiv. KHP)																
Working temperature	0-50°C																
Storage Temperature	-20°C~+60°C																
Calibration way	One or two point calibration																
ORP	<table> <tr> <td>Measuring principle</td><td>Electrode method</td></tr> <tr> <td>Measuring range</td><td>-1999~+1999mV</td></tr> <tr> <td>Measuring accuracy</td><td>±20mV (standard solution)</td></tr> <tr> <td>Resolution</td><td>±0.1mV</td></tr> <tr> <td>Temperature compensation</td><td>Yes</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>0-60°C</td></tr> <tr> <td>Calibration way</td><td>One point calibration</td></tr> </table>	Measuring principle	Electrode method	Measuring range	-1999~+1999mV	Measuring accuracy	±20mV (standard solution)	Resolution	±0.1mV	Temperature compensation	Yes	Working temperature	0-50°C	Storage Temperature	0-60°C	Calibration way	One point calibration
Measuring principle	Electrode method																
Measuring range	-1999~+1999mV																
Measuring accuracy	±20mV (standard solution)																
Resolution	±0.1mV																
Temperature compensation	Yes																
Working temperature	0-50°C																
Storage Temperature	0-60°C																
Calibration way	One point calibration																
NH4+	<table> <tr> <td>Measuring principle</td><td>Composite ion electrode method</td></tr> <tr> <td>Measuring range</td><td>0~10/100/1000mg/L for option</td></tr> <tr> <td>Linearity</td><td>10% or ±0.2mg/L take the bigger</td></tr> <tr> <td>Resolution</td><td>0.01mg/L-0.1mg/L (according to the range)</td></tr> <tr> <td>Temperature compensation</td><td>Yes</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+60°C</td></tr> </table>	Measuring principle	Composite ion electrode method	Measuring range	0~10/100/1000mg/L for option	Linearity	10% or ±0.2mg/L take the bigger	Resolution	0.01mg/L-0.1mg/L (according to the range)	Temperature compensation	Yes	Working temperature	0-50°C	Storage Temperature	-20°C~+60°C		
Measuring principle	Composite ion electrode method																
Measuring range	0~10/100/1000mg/L for option																
Linearity	10% or ±0.2mg/L take the bigger																
Resolution	0.01mg/L-0.1mg/L (according to the range)																
Temperature compensation	Yes																
Working temperature	0-50°C																
Storage Temperature	-20°C~+60°C																
DEPTH	<table> <tr> <td>Measuring principle</td><td>Pressure sensitive method</td></tr> <tr> <td>Measuring range</td><td>200m (effective measurement depth of the electrodes is 60m)</td></tr> <tr> <td>Measuring accuracy</td><td>±0.05 %F.S</td></tr> <tr> <td>Resolution</td><td>0.001m</td></tr> <tr> <td>Calibration way</td><td>One point calibration</td></tr> </table>	Measuring principle	Pressure sensitive method	Measuring range	200m (effective measurement depth of the electrodes is 60m)	Measuring accuracy	±0.05 %F.S	Resolution	0.001m	Calibration way	One point calibration						
Measuring principle	Pressure sensitive method																
Measuring range	200m (effective measurement depth of the electrodes is 60m)																
Measuring accuracy	±0.05 %F.S																
Resolution	0.001m																
Calibration way	One point calibration																
Power	DC 12~24V																

Weight	2.5 kg																
Dimension	φ88mm x 548mm (length)																
Turbidity	<table> <tr> <td>Measuring principle</td><td>Scattered light measurement/Optical</td></tr> <tr> <td>Measuring range</td><td>0.01-4000NTU</td></tr> <tr> <td>Measuring accuracy</td><td>0-10NTU: ±0.1NTU 10-100NTU: reading value±2% or ±0.1NTU the bigger one; 100-4000NTU: reading value±5%</td></tr> <tr> <td>Resolution</td><td>0-10NTU: 0.01NTU 10-100NTU: 0.1NTU 100-4000NTU: 1NTU</td></tr> <tr> <td>Temperature compensation</td><td>Yes</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~-60°C</td></tr> <tr> <td>Calibration way</td><td>One or two point calibration</td></tr> </table>	Measuring principle	Scattered light measurement/Optical	Measuring range	0.01-4000NTU	Measuring accuracy	0-10NTU: ±0.1NTU 10-100NTU: reading value±2% or ±0.1NTU the bigger one; 100-4000NTU: reading value±5%	Resolution	0-10NTU: 0.01NTU 10-100NTU: 0.1NTU 100-4000NTU: 1NTU	Temperature compensation	Yes	Working temperature	0-50°C	Storage Temperature	-20°C~-60°C	Calibration way	One or two point calibration
Measuring principle	Scattered light measurement/Optical																
Measuring range	0.01-4000NTU																
Measuring accuracy	0-10NTU: ±0.1NTU 10-100NTU: reading value±2% or ±0.1NTU the bigger one; 100-4000NTU: reading value±5%																
Resolution	0-10NTU: 0.01NTU 10-100NTU: 0.1NTU 100-4000NTU: 1NTU																
Temperature compensation	Yes																
Working temperature	0-50°C																
Storage Temperature	-20°C~-60°C																
Calibration way	One or two point calibration																
Chlorophyll	<table> <tr> <td>Measuring principle</td><td>Fluorescence method/Optical</td></tr> <tr> <td>Measuring range</td><td>0-400ug/L or 0~100RFU</td></tr> <tr> <td>Linearity</td><td>$R^2 > 0.999$</td></tr> <tr> <td>Resolution</td><td>0.01ug/L</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+60°C</td></tr> <tr> <td>Calibration way</td><td>One or two point calibration</td></tr> </table>	Measuring principle	Fluorescence method/Optical	Measuring range	0-400ug/L or 0~100RFU	Linearity	$R^2 > 0.999$	Resolution	0.01ug/L	Working temperature	0-50°C	Storage Temperature	-20°C~+60°C	Calibration way	One or two point calibration		
Measuring principle	Fluorescence method/Optical																
Measuring range	0-400ug/L or 0~100RFU																
Linearity	$R^2 > 0.999$																
Resolution	0.01ug/L																
Working temperature	0-50°C																
Storage Temperature	-20°C~+60°C																
Calibration way	One or two point calibration																
Data Output	RS 485. Modbus; Bluetooth(Optional)																
TEMPERATURE	<table> <tr> <td>Measuring principle</td><td>Thermistor method</td></tr> <tr> <td>Measuring range</td><td>0-50°C</td></tr> <tr> <td>Measuring accuracy</td><td>±0.2°C</td></tr> <tr> <td>Resolution</td><td>0.1°C</td></tr> <tr> <td>Working temperature</td><td>-5°C~+50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+80°C</td></tr> </table>	Measuring principle	Thermistor method	Measuring range	0-50°C	Measuring accuracy	±0.2°C	Resolution	0.1°C	Working temperature	-5°C~+50°C	Storage Temperature	-20°C~+80°C				
Measuring principle	Thermistor method																
Measuring range	0-50°C																
Measuring accuracy	±0.2°C																
Resolution	0.1°C																
Working temperature	-5°C~+50°C																
Storage Temperature	-20°C~+80°C																

	<table> <tr> <td>Calibration way</td><td>One point calibration</td></tr> </table>	Calibration way	One point calibration												
Calibration way	One point calibration														
CONDUCTIVITY	<table> <tr> <td>Measuring principle</td><td>Four-electrode method</td></tr> <tr> <td>Measuring range</td><td>0-200mS/cm</td></tr> <tr> <td>Measuring accuracy</td><td>0-100: reading value±0.5% 100-200: reading value±1%</td></tr> <tr> <td>Resolution</td><td>1μS/cm-100μS/cm (according to the range)</td></tr> <tr> <td>Temperature compensation</td><td>Yes</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+60°C</td></tr> </table>	Measuring principle	Four-electrode method	Measuring range	0-200mS/cm	Measuring accuracy	0-100: reading value±0.5% 100-200: reading value±1%	Resolution	1μS/cm-100μS/cm (according to the range)	Temperature compensation	Yes	Working temperature	0-50°C	Storage Temperature	-20°C~+60°C
Measuring principle	Four-electrode method														
Measuring range	0-200mS/cm														
Measuring accuracy	0-100: reading value±0.5% 100-200: reading value±1%														
Resolution	1μS/cm-100μS/cm (according to the range)														
Temperature compensation	Yes														
Working temperature	0-50°C														
Storage Temperature	-20°C~+60°C														
Cable Length	5m standard cable, other length can be optional;														
Main Material	POM+316 Stainless Steel O ring: viton ring+ rubber ring Cable: PVC														
Pressure Range	Sensor Probe ≤0.6Mpa; Sensor Body ≤2Mpa														
Waterproof Rate	IP68														
Blue-Green Algae	<table> <tr> <td>Measuring principle</td><td>Fluorescence method/Optical</td></tr> <tr> <td>Measuring range</td><td>0-100ug/L or 0~100RFU</td></tr> <tr> <td>Linearity</td><td>R²>0.999</td></tr> <tr> <td>Resolution</td><td>0.01ug/L</td></tr> <tr> <td>Working temperature</td><td>0-50°C</td></tr> <tr> <td>Storage Temperature</td><td>-20°C~+60°C</td></tr> <tr> <td>Calibration way</td><td>One or two point calibration</td></tr> </table>	Measuring principle	Fluorescence method/Optical	Measuring range	0-100ug/L or 0~100RFU	Linearity	R ² >0.999	Resolution	0.01ug/L	Working temperature	0-50°C	Storage Temperature	-20°C~+60°C	Calibration way	One or two point calibration
Measuring principle	Fluorescence method/Optical														
Measuring range	0-100ug/L or 0~100RFU														
Linearity	R ² >0.999														
Resolution	0.01ug/L														
Working temperature	0-50°C														
Storage Temperature	-20°C~+60°C														
Calibration way	One or two point calibration														
Dissolved Oxygen	<table> <tr> <td>Measuring principle</td><td>Fluorescence method/Optical</td></tr> <tr> <td>Measuring range</td><td>0-200% saturability 0-20mg/L</td></tr> <tr> <td>Measuring accuracy</td><td>0-100%: ≤±1% 100-200%: ≤±1.5%</td></tr> <tr> <td>Resolution</td><td>0.001mg/L-0.01mg/L (according to the range)</td></tr> <tr> <td>Temperature</td><td></td></tr> </table>	Measuring principle	Fluorescence method/Optical	Measuring range	0-200% saturability 0-20mg/L	Measuring accuracy	0-100%: ≤±1% 100-200%: ≤±1.5%	Resolution	0.001mg/L-0.01mg/L (according to the range)	Temperature					
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	compensation Yes
	Working temperature 0-50°C
	Storage Temperature -20°C~+60°C
	Calibration way One or two point calibration
Guarantee Period	Sensor Body 12 months; pH/ORP probe 12 months; Ion sensor: 6 months; DO fluorance cap 6 months.
Internal Storage	8M (Optional)
Storage Temperature	-20~+60°C pH/ORP storage temperature 0~60°C
Working Temperature	0~50°C
Measuring parameters	Standard: Temperature, Conductivity, pH, ORP, Turbidity, Dissolved Oxygen Optional: Depth, Chlorophyll, Blue-green Algae, COD, fDOM, Salinity, TDS, NH4+, NO3-, K+, Fu- and etc.