

## 2 Technical Specifications

### 2.1 pH

Measurement range	(-2.00 to 19.99) pH
Resolution	0.1/0.01 pH
Accuracy	Meter: $\pm 0.01$ pH; Overall: $\pm 0.02$ pH
Input current	$\leq 2 \times 10^{-12}$ A
Input impedance	$\geq 1 \times 10^{12}$ $\Omega$
Stability	$\pm 0.01$ pH/3h
Temp. compensation range	(0 to 100) °C (automatic)

### 2.2 ORP(mV)

Measurement range (mV/ORP/EH)	-1999 mV to 0 to 1999mV
Resolution	1mV
Accuracy	Meter: $\pm 0.1\%$ FS, Overall: $\pm 15$ mV

### 2.3 Conductivity

Measurement range	Conductivity: (0.00 to 19.99) $\mu$ S/cm (20.0 to 199.9) $\mu$ S/cm (200 to 1999) $\mu$ S/cm (2.00 to 19.99) mS/cm (20.0 to 199.9) mS/cm TDS: (0 to 100) g/L; Salinity : (0 to 100) ppt Resistivity: (0 to 100) M $\Omega$ -cm
Resolution	0.01/0.1/1 $\mu$ S/cm 0.01/0.1 mS/cm
Accuracy	Meter: $\pm 1.0\%$ F.S, Overall: $\pm 1.5\%$ F.S
Temp. compensation range	(0 to 50) °C (automatic)
Electrode constant	0.1 / 1 / 10 cm-1
Reference temperature	25°C, 20°C, and 18°C

### 2.4 Dissolved Oxygen

Measurement range	(0 to 19.99) mg/L (ppm); (0 to 200.0) %
Resolution	0.1/0.01 mg/L (ppm) 1/0.1%
Accuracy	$\pm 0.30$ mg/L (ppm), including electrode error

Response time	≤30s (25°C, 90% response)
Temp. compensation range	(0 to 45) °C (automatic)
Salinity compensation range	(0 to 45) ppt (automatic)
Barometric pressure compensation range	(66 to 200) kPa (manual)
Automatic calibration	Air saturated by water; water saturated by air
Electrode type	Polarographic

## 2.5 Other Technical Parameters

Data storage	400 sets
Data content	Serial number, measurement value, measurement unit, and temperature
Power Supply	Two AA alkaline batteries (1.5V x2)
Dimensions and weight	Meter: (65×120×31) mm/180g Complete Kit: (255 x 210x 50) mm/1760g
Quality and safety certification	CE, ISO 9001:2015

## 2.6 Working Condition

Working temperature	5 to 35°C
Working humidity	≤85%
IP rating	IP57 water-resistant

## 3 About the Meter

### 3.1 Screen Display

