

PH Meter

Pocket pH /°C/°F Tester



Application:

- * PH-10S, 20S, 30S: suitable for measuring the liquids.
- * PH-10F, 20F, 30F: suitable for measuring the semisolid substances.
- * PH-10L, 20L, 30L: suitable for measuring the small volume samples.
- * PH-40 is suitable for connecting with the various pH electrodes.

PH-10/20 Features:

- * 2 points push-button calibration with auto-buffer recognition.
- * Hold function freezes current measured value for easy viewing and recording.
- * Auto-Power Off helps user effectively conserve battery life.
- * Replaceable electrode module reduces maintenance and replacement cost.



PH-30/40 Features:

- * BNC connector is easy to connect a variety of pH electrodes (Only for PH-40).
- * 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- * Automatic temperature compensation ensures accurate readings over the entire range (Only for PH-30); Manual temperature compensation provides a wide range of temperature input (Only for PH-40).
- * Auto-Read function senses and locks the measurement endpoint
- * Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- * Reset function automatically resumes all settings back to the factory defaults.



Replaceable pH Electrodes:



PH-S

Circular pH-sensitive membrane
Suitable for measuring the liquids



PH-F

Flat surface pH-sensitive membrane
Suitable for measuring the semisolids



PH-L

Flat surface pH-sensitive membrane
Suitable for measuring the small volume samples

Accessories:

pH buffer pouches (pH4.01/7.00/10.01), batteries, plastic box or carrying case.

Technical Parameters:

Model		PH-10S/F/L	PH-20S/F/L	PH-30S/F/L	PH-40
pH	Range	0.0~14.0pH		-1.00~15.00pH	
	Accuracy	±0.1pH	±0.05pH	±0.01pH	
	Calibration Points	2 points	1~3 points		
	pH Buffer Options	USA (pH4.01/7.00/10.01)	USA (pH4.01/6.86/7.00/9.18/10.01)		
Temperature	Range	/	0~60°C	0~60°C/32~140°F	0~100°C/32~212°F
	Resolution	/	1°C	0.1°C/0.1°F	0.5°C/0.5°F
	Accuracy	/	±1°C	±1°C±1.8°F	/
	Offset Calibration	/	/	1 point, reading ±10°C	/
	Temp Compensation	/	0~60°C, Automatic		0~100°C, Manual
Other Specifications	Hold Function	Manual	Manual or Auto-endpoint		
	Auto-Off	8 minutes after last key pressed			
	Operating Temperature	0~50°C			
	Display	Single-line LCD (21*21mm)		Dual-line LCD (21*21mm)	
	Connector	6-pin			BNC
	Power Requirements	3*1.5V LR44 micro alkaline batteries		2*1.5V AAA batteries	
	Battery Life	Approximately 150 hours of continuous use		Approximately 200 hours of continuous use	
	Dimensions (L*D) mm	185 (L) *40 (Dia.)			175 (L)*40 (Dia.)
	Package Size (W*D*H) mm	325*140*270			
	Net Weight(g)	100g			
	Gross Weight(kg)	1kg			

Portable Dissolved Oxygen Meter



PH-820



PH-821

Features:

- * 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- * Salinity and barometric pressure compensations eliminate the measurement error.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, resolution, temperature unit, concentration unit, stability criteria, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.

Accessories:

DO100 dissolved oxygen electrode, electrolyte solution, membrane cap and carrying case.

Technical Parameters:

Model		PH-820	PH-821
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation	
	Accuracy	±0.5mg/L, ±2.0%	±0.2mg/L, ±2.0%
	Resolution	0.01mg/L, 0.1%	
Other Specifications	Calibration Points	1 or 2 points	
	Temperature Compensation	0~50°C/32~122°F, automatic	
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	
	Salinity Correction	0.0~50.0g/L, manual	
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Hold Function	Manual or auto-endpoint	
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	
	Connector	6-pin nimi-DIN	
	Display	Custom LCD (80*60mm)	
	Power Requirements	3× 1.5V AA batteries or DC5V power adapter	
	Dimensions(mm)	170*85*30mm	
	Weight(kg)	300g	
	Package Size(W*D*H)mm	475*155*350mm	
	Gross weight(kg)	1.7kg	

Benchtop Conductivity/TDS/Salinity/Resistivity Meter



PH-950

Features:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Automatic electrode diagnosis shows the calibration points and factors.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Set up menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface for data transfer and timed interval readings.

Accessories:

Conductivity electrode, temperature probe, conductivity standard solutions (84µS/cm, 1413µS/cm, 12.88mS/cm) and DC5V power adapter.

Technical Parameters:

Model		PH-950
Conductivity	Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
	Accuracy	±0.5% F.S.
	Resolution	0.001, 0.01, 0.1, 1
	Calibration Points	1 to 5 points
	Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Accuracy	±1% F.S.
	Resolution	0.01, 0.1, 1
Salinity	TDS Factor	0.1~1.0 (default 0.5)
	Range	0.00~42.00psu, 0.00~80.00ppt
	Accuracy	±1% F.S.
Resistivity	Resolution	0.01
	Range	0.00~20.00MQ
	Accuracy	±1% F.S.
Temperature	Resolution	0.01
	Range	0~105°C/32~221°F
	Accuracy	±0.5°C/±0.9°F
Other Specifications	Resolution	0.1°C/0.1°F
	Offset Calibration	1 point, reading ±10°C
	Temperature Compensation	0~100°C, manual or automatic
	Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water
	Reference Temperature	20/25°C
	Cell Constant	K=0.1, 1, 10
	Stability Criteria	Low or high
	Calibration Due Alarm	1 to 31 days or off
	Calibration Factor Display	Yes
	Hold Function	Manual or auto-endpoint
	Memory	500 data sets
	Communication Interface	USB
	Connector	6-pin mini-DIN, 3.5mm jack socket
	Display	Custom LCD (125*100mm)
	Power Requirements	DC5V power adapter
	Dimensions(mm)	210*188*60mm
	Weight(kg)	1.5kg
	Package Size(W*D*H)mm	310*240*180mm
	Gross weight(kg)	1.7kg

Benchtop Dissolved Oxygen Meter



PH-810

PH-980

Features:

- * 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- * Salinity and barometric pressure compensations eliminate the measurement error.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the number of calibration points, concentration unit, temperature unit, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Calibration due alarm prompts user to calibrate the meter regularly.(only PH-980)
- * Set up menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, concentration unit, date and time, etc.(only PH-980)
- * Expanded memory stores or recalls up to 500 data sets.(only PH-980)SD
- * USB communication interface for data transfer and timed interval readings.(only PH-980)

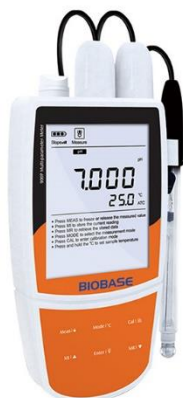
Accessories:

DO100 dissolved oxygen electrode, electrolyte solution, membrane cap and DC9V power adapter.

Technical Parameters:

Model		PH-810	PH-980
DO	Range	0.0~20.0mg/L or ppm	
	Accuracy	±0.5mg/L	±0.2mg/L
	Resolution	0.1mg/L	0.01, 0.1mg/L, selectable
% saturation	Range	0.0~200.0%	
	Accuracy	±2.0%	
	Resolution	1%	0.1, 1%, selectable
Temperature	Range	0~60°C/32~140°F	
	Accuracy	±1°C/±1.8°F	±0.5°C/±0.9°F
	Resolution	0.1°C/0.1°F	
	Offset Calibration	1 point, reading ±10°C	
Other Specifications	Dissolved Oxygen Calibration	1 or 2 points	
	Temperature Compensation	0~40°C, automatic	0~50°C, automatic
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	
	Salinity Correction	0.0~35.0g/L, manual	0.0~50.0g/L, manual
	Stability Criteria	/	Low or high
	Calibration Due Alarm	/	1 to 31 days or off
	Hold Function	Manual or auto-endpoint	
	Memory	/	500 data sets
	Communication Interface	/	USB
	Connector	6-pin nemi-DIN	
	Display	Custom LCD (120*60mm)	Custom LCD (125*100mm)
	Power Requirements	DC9V power adapter	DC5V power adapter
	Dimensions(mm)	210*205*75mm	210*188*60mm
Weight(kg)		1.5kg	
Package Size(W*D*H)mm		310*240*180mm	
Gross weight(kg)		1.7kg	

Portable Multiparameter Water Quality Meter



Features:

pH:

- * Multiparameter water quality meter is equipped with a 3.5 inches backlit LCD display.
- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- * Automatic electrode diagnosis shows the pH slope and offset.

ORP:

- * 1 point offset calibration allows adjusting the displayed value to a known standard.
- * Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration:

- * 2 to 5 points calibration, including the 8 concentration points can be selected.
- * Direct ion concentration readout simplifies the measurement process.
- * Automatic electrode diagnosis shows the calibration points and slopes.
- * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

Conductivity/TDS/Salinity/Resistivity:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic electrode diagnosis shows the calibration points and factors.

Dissolved Oxygen:

- * 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- * Salinity and barometric pressure compensations eliminate the measurement error.

Other Features:

- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.
- * Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.



Accessories:

pH/conductivity/dissolved oxygen electrode, temperature probe, pH standard buffer, conductivity standard solutions, dissolved oxygen electrolyte, membrane cap, carrying case.

Technical Parameters:

Model	PH-900P
pH	Range
	-2.000~20.000pH
	Resolution
	0.001, 0.01, 0.1pH, selectable
	Accuracy
ORP	±0.002pH
	Calibration Points
	1 to 5 points
	pH Buffer Options
	USA, NIST, DIN, 2 custom buffers
Ion	Range
	±1999.9mV
	Resolution
	0.1, 1mV, selectable
	Accuracy
Conductivity	±0.2mV
	Calibration Points
	1 point
	Range
	0.001~19999 (depending on the range of ISE)
TDS	Resolution
	0.001, 0.01, 0.1, 1
	Accuracy
	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
	Measurement Units
Salinity	ppm, mg/L, mol/L, mmol/L
	Calibration Points
	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
	Range
	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Resistivity	Resolution
	0.001, 0.01, 0.1, 1
	Accuracy
	±0.5% F.S.
	Calibration Points
DO	1 to 5 points
	Calibration Solutions
	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Coefficient
	Linear (0.0~10.0%/°C), pure water
Other Specifications	Reference Temperature
	20/25°C
	Cell Constant
	K=0.1, 1, 10 or custom
	Range
	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution
	0.01, 0.1, 1
	Accuracy
	±1% F.S.
	TDS Factor
	0.1~1.0 (default 0.5)
	Range
	0.00~42.00psu, 0.00~80.00ppt
	Resolution
	0.01
	Accuracy
	±1% F.S.
	Range
	0.00~20.00MQ
	Resolution
	0.01
	Accuracy
	±1% F.S.
	Range
	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution
	0.01mg/L, 0.1%
	Accuracy
	±0.2mg/L, ±2.0%
	Calibration Points
	1 or 2 points
	Barometric Pressure Correction
	60.0~112.5kPa/450~850mmHg, manual
	Salinity Correction
	0.0~50.0g/L, manual
	Temperature Compensation
	0~100°C/32~212°F, manual or automatic
	Memory
	500 data sets, USB communication interface
	Power Requirements
	3*1.5V AA batteries or DC5V power adapter
	Dimension
	170*85*30mm
	Net Weight
	300g
	Packing Size
	475*155*350mm
	Gross Weight
	2kg

Benchtop Multiparameter Water Quality Meter



Features:

pH:

- * Multiparameter water quality meter is equipped with a 6.5 inches backlit LCD display 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- * Automatic electrode diagnosis shows the pH slope and offset.

ORP:

- * 1 point offset calibration allows adjusting the displayed value to a known standard.
- * Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration:

- * 2 to 5 points calibration, including the 8 concentration points can be selected.
- * Direct ion concentration readout simplifies the measurement process.
- * Automatic electrode diagnosis shows the calibration points and slopes.
- * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

Conductivity/TDS/Salinity/Resistivity:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic electrode diagnosis shows the calibration points and factors.

Dissolved Oxygen:

- * 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- * Salinity and barometric pressure compensations eliminate the measurement error

Other Features:

- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface for data transfer and timed interval readings.

Accessories:

pH/conductivity/dissolved oxygen electrodes, temperature probe, pH buffer sachets, conductivity standard solutions, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter

Technical Parameters:

Model		PH-900
pH	Range	-2.000~20.000pH
	Resolution	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.002pH
	Calibration Points	1 to 5 points
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers
ORP	Range	±1999.9mV
	Resolution	0.1, 1mV, selectable
	Accuracy	±0.2mV
	Calibration Points	1 point
Ion	Range	0.001~19999 (depending on the range of ISE)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
	Measurement Units	ppm, mg/L, mol/L, mmol/L
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
Conductivity	Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S.
	Calibration Points	1 to 5 points
	Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	20/25°C
	Cell Constant	K=0.1, 1, 10 or custom
	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1
Salinity	Accuracy	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
	Range	0.00~42.00psu, 0.00~80.00ppt
Resistivity	Resolution	0.01
	Accuracy	±1% F.S.
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution	0.01mg/L, 0.1%
	Accuracy	±0.2mg/L, ±0.0%
	Calibration Points	1 or 2 points
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual
Other	Salinity Correction	0.0~50.0g/L, manual
	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power Requirements	DC5V power adapter
	Dimension	210*188*60mm
Specifications	Net Weight	1.5kg
	Packing Size	310*240*180mm
	Gross Weight	1.7kg

Benchtop Water Hardness Meter



Features:

- * 2 to 5 points calibration from low to high concentrations.
- * Selectable water hardness units - mmol/L, mg/L, German degree (°dH), English degree (°e) and French degree (°f).
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Setup menu allows setting the number of calibration points, stability criteria, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.

Accessories:

Water hardness electrode, temperature probe, standard solutions (10/100mmol/L), ionic strength adjuster, electrode holder, USB cable and power adapter.

Technical Parameters:

Model		PH-932
Water Hardness	Range	0.05~200mmol/L, 0~1122°dH, 0~2000°fH, 0~1404°e, 0~8020mg/L (Ca ²⁺), 0~19999mg/L (CaCO ₃), 0~11220mg/L (CaO)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration Points	2 to 5 points (0.01, 0.1, 1, 10, 100mmol/L)
Temperature	Range	0.0~105.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~50°C, manual or automatic
	Stability Criteria	Low or high
	Calibration Due Alarm	1 to 31 days or off
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (125*100mm)
	Power Requirements	DC5V power adapter
	Dimension	210*188*60mm
	Net Weight	1.5kg
	Packing Size	310*240*180mm
	Gross Weight	1.7kg

Portable Water Hardness Meter



Features:

- * 2 to 5 points calibration from low to high concentrations.
- * Selectable water hardness units - mmol/L, mg/L, German degree (°dH), English degree (°e) and French degree (°f).
- * Automatic temperature compensation ensures accurate readings over the entire range
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, stability criteria, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.



Accessories:

Water hardness electrode, temperature probe, standard solutions (10/100mmol/L), ionic strength adjuster and carrying.

Technical Parameters:

Model		PH-322
Water Hardness	Range	0.05~200mmol/L, 0~1122°dH, 0~2000°fH, 0~1404°e, 0~8020mg/L (Ca ²⁺), 0~19999mg/L (CaCO ₃), 0~11220mg/L (CaO)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration Points	2 to 5 points (0.01, 0.1, 1, 10, 100mmol/L)
Temperature	Range	0.0~105.0°C
	Resolution	0.1°C
	Accuracy	±0.5°C
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~50°C, manual or automatic
	Hold Function	Manual or auto-endpoint
	Auto-Off	10, 20 or 30 minutes after last key pressed
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (80*60 mm)
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Dimension	170*85*30mm
	Net Weight	300g
	Packing Size	475*155*350mm
	Gross Weight	2kg

Portable Conductivity/TDS/Salinity Meter



PH-520/530/531/540

PH-520 Features:

- * 1 to 3 points calibration with automatic recognition for conductivity standards.
- * Automatic electrode diagnosis shows the calibration points and factors.
- * Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the number of calibration points, temperature unit, auto-power off, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 100 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.

PH-530/531/540 Features:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Automatic electrode diagnosis shows the calibration points and factors.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.
- * Multi-mode powerscheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Accessories:

Conductivity electrode, temperature probe, conductivity standard solutions(84uS/cm, 1413uS/cm, 12.88mS/cm) and carrying case.

Technical Parameters:

Model		PH-520	PH-530	PH-531	PH-540
Conductivity	Range	0.01~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm			
	Accuracy	±0.5% F.S.			
	Resolution	0.001, 0.01, 0.1, 1			
	Calibration Points	1 to 3 points (PH-520), 1 to 5 points (PH- 530/531/540)			
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm			
TDS	Range	/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	/	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Accuracy	/	±1% F.S.	/	±1% F.S.
	Resolution	/	0.01, 0.1, 1	/	0.01, 0.1, 1
	TDS Factor	/	0.1~1.0 (default 0.5)	/	0.1~1.0 (default 0.5)
Salinity	Range	/	0.00~42.00psu, 0.00~80.00ppt		
	Accuracy	/	±1% F.S.		
	Resolution	/	0.01		
Resistivity	Range	/	0.00~20.00MΩ		
	Accuracy	/	±1% F.S.		
	Resolution	/	0.01		
Temperature	Range	0~105°C/32~221°F			
	Accuracy	±0.5°C/±0.9°F			
	Resolution	0.1°C/0.1°F			
	Offset Calibration	1 point, reading ±10°C			
Other Specifications	Temperature Compensation	0~100°C, manual or automatic			
	Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water			
	Reference Temperature	20/25°C			
	Cell Constant	K=0.1, 1, 10			
	Stability Criteria	/	Low or high		
	Calibration Due Alarm	/	1 to 31 days or off		
	Hold Function	Manual or auto-endpoint			
	Auto-Off	30 minutes after last key pressed (PH-520), 10, 20 or 30 minutes after last key pressed (PH-530/531/540)			
	Memory	100 data sets(PH-520), 500 data sets(PH-530/531/540)			
	Communication Interface	USB			
	Connector	6-pin nimi-DIN, 3.5mm jack socket			
	Display	Custom LCD (80*60mm)			
	Power Requirements	3× 1.5V AA batteries or DC5V power adapter			
Battery Life	Approximately 150 hours (Turn off the backlight)				
Dimensions(mm)	170*85*30mm				
Weight(kg)	300g				
Package Size(W*D*H)mm	475*155*350mm				
Gross weight(kg)	2kg				

Benchtop pH/ORP/Ion Meter



pH:

- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- * Automatic electrode diagnosis shows the pH slope and offset.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Calibration due alarm prompts user to calibrate the meter regularly.

ORP:

- * 1 point offset calibration allows adjusting the displayed value to a known standard.
- * Relative and absolute millivolt modes ensure the reliable ORP measurements.
- * 2 to 5 points calibration, including the 8 concentration points can be selected.
- * Direct ion concentration readout simplifies the measurement process.
- * Automatic electrode diagnosis shows the calibration points and slopes.
- * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

General Features

- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface for data transfer and timed interval readings.

Accessories:

E201-BNC plastic body pH electrode, temperature probe, pH buffer sachets, electrode holder, DC5V power adapter.

Technical Parameters:

Model	PH-920	PH-930
PH	Range	-2.000~20.000pH
	Accuracy	±0.002pH
	Resolution	0.1, 0.01, 0.001pH, Selectable
	Calibration Points	1~5 points
	Calibration Solutions	USA, NIST, DIN, 2 custom buffers
ORP	MV Range	±1999.9mV
	Relative mV Range	±1999.9mV
	Resolution	0.1, 1mV, Selectable
	MV Accuracy	±0.2mV
	Calibration Points	1 point
Ion	Range	/
	Resolution	/
	Accuracy	/
	Measurement Units	ppm, mg/L, mol/L, mmol/L
	Calibration Points	2 to 5 points
Temperature	Range	0~105°C/32~221°F
	Resolution	0.1°C/0.1°F
	Accuracy	±0.5°C/±0.9°F
	Offset Calibration	1 point, reading ±10°C
	Temperature Compensation	0~100°C, Manual or Automatic
Other Specifications	Stability Criteria	Low or high
	Calibration Due Alarm	1 to 31 days or off
	Slope/Offset Display	Yes
	Hold Function	Manual or auto-endpoint
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5mm jack socket
	Display	Custom LCD (125*100mm)
	Power Requirements	DC5V power adapter
	Dimensions(mm)	210*188*60mm
Weight(kg)	Weight(kg)	1.5kg
	Package Size(W*D*H)mm	310*240*180mm
	Gross weight(kg)	1.7kg

Portable pH/ORP Meter



PH-220

PH-221

Measurement Parameters:

PH-220: pH, mV, temperature
PH-221: pH, mV, relative mV, temperature

PH-220 Features:

- * 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- * Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 100 data sets.
- * USB communication interface for data transfer or connecting a power adapter to meter.

PH-221 Features:

- pH**
- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
 - * Automatic electrode diagnosis shows the pH slope and offset.
 - * Automatic temperature compensation ensures accurate readings over the entire range.
 - * Calibration due alarm prompts user to calibrate the meter regularly.
- ORP**
- * 1 point offset calibration allows adjusting the displayed value to a known standard
 - * Relative and absolute millivolt modes ensure the reliable ORP measurements
- General Features**
- * Auto-Read function senses and locks the measurement endpoint
 - * Auto-Power Off effectively conserves battery life
 - * Setup menu allows setting the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
 - * Reset function automatically resumes all settings back to the factory defaults
 - * Expanded memory stores or recalls up to 500 data sets
 - * USB communication interface is easy to transfer data to PC
 - * Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly

Accessories:

- * PH electrode
- * Temperature probe
- * PH buffer solutions (pH4.01/7.00/10.01)
- * Carrying case



Technical Parameters:

Model	PH-220	PH-221
pH	pH Range	-2.00~20.00pH
	pH Accuracy	±0.01pH
	Resolution	0.01pH
	Calibration Points	1 to 3 points
ORP	pH Buffer Options	USA (4.01/7.00/10.01), NIST (4.01/6.86/9.18)
	mV Range	-1999~1999mV
	mV Accuracy	±1mV
	Resolution	1mV
Temperature	Calibration Points	1 to 5 points
	Temperature Range	0~105°C/32~221°F
	Temperature Accuracy	±0.5°C/±0.9°F
	Resolution	0.1°C/0.1°F
Other Specifications	Offset Calibration	1 point, reading ±10°C
	Temperature Compensation	0~100°C, manual or automatic
	Stability Criteria	/
	Calibration Due Alarm	/
	Slope/Offset Display	Yes
	Hold Function	Manual or auto-endpoint
	Auto-Off	30 minutes after last key pressed
	Memory	100 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (80 × 60 mm)
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Battery Life	Approximately 150 hours (Turn off the backlight)
	Dimensions(W*D*H)	170*85*30mm
	Package Size(W*D*H)	475*155*350mm
	Net Weight	300g
	Gross weight	2kg

Portable pH/Ion Meter



PH-320

PH-321

Measurement Parameters:

PH-320: pH, mV, relative mV, ion concentration, temperature

PH-321: Ion concentration, mV, temperature

Features:

pH

- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- * Automatic electrode diagnosis shows the pH slope and offset.

ORP

- * 1 point offset calibration allows adjusting the displayed value to a known standard.
- * Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration

- * 2 to 5 points calibration, including the 8 concentration points can be selected.
- * Direct ion concentration readout simplifies the measurement process.
- * Automatic electrode diagnosis shows the calibration points and slopes.
- * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

General Features:

- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.
- * Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.

Optional Ion Selective Electrodes:

Ammonium (NH₄⁺), bromide (Br⁻), cadmium (Cd²⁺), calcium (Ca²⁺), chloride (Cl⁻), cupric (Cu²⁺), cyanide (CN⁻), fluoride (F⁻), iodide (I⁻), lead (Pb²⁺), nitrate (NO₃⁻), potassium (K⁺), silver (Ag⁺), sodium (Na⁺), sulphide (S²⁻) and ammonia (NH₃)

Accessories:

- * PH electrode
- * Temperature probe
- * PH buffer solutions (pH4.01/7.00/10.01)
- * Carrying case



Technical Parameters:

Model	PH-320	PH-321
pH	pH Range	-2.000~20.000pH
	pH Accuracy	±0.002pH
	Resolution	0.1, 0.01, 0.001pH, Selectable
	Calibration Points	1~5 points
	pH Buffer Options	USA (pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75) or 2 custom buffers
ORP	mV Range	-1999.9~1999.9mV
	Relative mV Range	-1999.9~1999.9mV
	mV Accuracy	±0.2mV
	Resolution	0.1, 1mV, Selectable
	Calibration Points	1 point (Only for Relative mV mode)
Ion	Ion Concentration Range	0.001~19999ppm, mg/L, mol/L (Refer to the range of ISE)
	Ion Concentration Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
	Calibration Points	2~5 points
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000(ppm, mg/L, mol/L)
Temperature	Temperature Range	0~105°C/32~221°F
	Temperature Accuracy	±0.5°C/±0.9°F
	Resolution	0.1°C/0.1°F
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~100°C, manual or automatic
	Stability Criteria	Low or high
	Calibration Due Alarm	1 to 31 days or off
	Slope/Offset Display	Yes
	Hold Function	Manual or auto-endpoint
	Auto-Off	10, 20 or 30 minutes after last key pressed
	Memory	500 data sets
	Communication Interface	USB
	Connector	BNC, 3.5 mm jack socket
	Display	Custom LCD (80*60 mm)
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Battery Life	Approximately 150 hours (Turn off the backlight)
	Dimensions(W*D*H)	170*85*30mm
	Package Size(W*D*H)	475*155*350mm
	Net Weight	300g
	Gross weight	2kg

Benchtop pH Meter



PHS-25CW/3BW



PH-210

PHS-25CW/3BW Features:

- * Economical benchtop pH meter is equipped with a white backlit LCD display.
- * Automatic electrode slope display helps user decide whether to replace sensor.
- * Automatic Temperature Compensation ensures accurate measuring result.
- * 2 points push-button calibration with auto-buffer recognition.

PH-210 Features:

- * 1 to 3 points calibration with automatic recognition for USA and NIST buffers.
- * Automatic electrode diagnosis helps user decide whether to replace the pH electrode.
- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, etc.
- * Reset function automatically resumes all settings back to the factory defaults.

Accessories:

- * PH electrode.
- * Temperature probe (Only for PHS-3BW and PH-210 meter).
- * PH buffer pouches (pH4.01/7.00/10.01).
- * DC9V power adapter.



Technical Parameters:

Model		PHS-25CW	PHS-3BW	PH-210
pH	pH Range	0.00~14.00pH	0.00~14.00pH	-1.00~15.00pH
	pH Accuracy	±0.05pH	±0.01pH	±0.01pH
	Resolution	0.01pH	0.01pH	0.01pH
	Calibration Points	2 points	2 points	1~3 points
	Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
ORP	MV Range	-1999~1999mV	-1999~1999mV	-1999~1999mV
	MV Accuracy	±10mV	±1mV	±1mV
	Resolution	1mV	1mV	1mV
Temperature	Temperature Range	/	0~100°C	0~105°C, 32~221°F
	Temperature Accuracy	/	±1°C	±1°C/±1.8°F
	Resolution	/	1°C	0.1°C/0.1°F
	Offset Calibration	/	/	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~100°C, Manual	0~100°C, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic
	Hold Function	/	/	Manual or auto-endpoint
	Connector	BNC, 3.5 mm jack socket		BNC, 3.5 mm jack socket
	Display	Custom LCD		Custom LCD (120*60 mm)
	Power Requirements	DC9V/400mA power adapter		
	Dimensions(mm)	210*205*65		210*205*75
	Net Weight(kg)	1.5		
	Package Size(W*D*H)mm	310*240*180		
	Gross weight(kg)	1.7		