

Infitek

PH METERS



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Infitek Co., Ltd.

TEL: +86-531-88982330

FAX: +86-531-88983691

Website: infitek.com

Email: info@infitek.com

Service: support@infitek.com

Address: Room 201, Building A, No.1 Qianwan 1st Road, Qianhai
Shenzhen-Hong Kong Cooperation Zone, Shenzhen (Settled in
Shenzhen Qianhai Business Secretary Co., Ltd.)

US Office

INFITEK INC.

522W RIVERSIDE AVE STE N,SPOKANE,WA 99201

EMAIL: INFO@INFITEK.COM



VERSION.26

Benchtop pH Meter

PH-B25CW



Meter Includes:

- pH electrode
- Temperature probe [Only for PH-B3BW meter]
- pH buffer pouches [pH4.01/7.00/10.01]
- DC9V power adapter

Specifications

Model	PH-B25CW
pH Range	0.00~14.00pH
pH Accuracy	±0.05pH
Resolution	0.01pH
Calibration Points	2 points
Calibration Solutions	USA (pH4.01/7.00/10.01)
Temperature Compensation	0~100°C, Manual
mV Range	-1999~1999mV
mV Accuracy	±10mV
Resolution	1mV
Temperature Range	/
Temperature Accuracy	/
Resolution	/
Hold Function	/
Connector	BNC
Display	LCD
Power Requirements	DC9V/400mA power adapter
Dimensions	210(L)×205(W)×65(mm)
Weight	1.5Kg

Features



Economical bench top pH meter is equipped with a white backlit LCD display.



Automatic electrode slope display helps user decide whether to replace sensor.



2 points push-button calibration with auto-buffer recognition.



Automatic Temperature Compensation ensures accurate measuring result.

Benchtop pH Meter

PH-B100B



Feature

- ◆ IP54 waterproof.
- ◆ 6-inch LCD display screen.
- ◆ 1-2 points calibration with standard recognition.

Advantages



Manual temperature compensation ensures accurate result



Reset feature automatically resumes all settings back to factory default options.



6-inch LCD display screen.



IP54 waterproof.



1-2 points calibration with Standard Recognition.



- PH-B100B pH Meter 1 Set
- E-201F pH composite electrode 1 Piece
- Power adapter DC 9V(European plug model, QD24-0902000-A1) 1 Piece
- Electrode clip assembly 1 Piece
- Electrode stem 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Operation quick guide 1 Piece
- Instruction manual 1 Piece

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.

Specifications

Model		PH-B100B
Parameters		pH/mV
pH	Range	0.00 to 14.00 pH
	Resolution	0.01pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 2
	Standard Recognition	NIST buffers
mV	Range	-1800 to 1800 mV
	Resolution	1 mV
	Accuracy	±0.1%FS
Measurement	Reading Mode	Continuous
	Temp. Compensation	MTC
Inputs	pH Electrode	BNC(Q9)
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP54
General	Electricity	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	200×160×63 mm
	Package Dimension	W460×D290×H340mm
	G.W./N.W.	2.4kg/0.6kg

Benchtop pH Meter

PH-B100BD



PH-B100BD package 1 (Minimum order of 5 units)



- E-201 pH composite electrode
- NIST pH standard solution (4.01/7.00/10.01), powder (3*5 sachets)

PH-B100BD package 2 (Minimum order of 5 units)



- E-201 pH composite electrode
- NIST pH standard solution (4.01/7.00/10.01), powder (3*5 sachets)
- Electrode clip assembly
- Electrode stem

Features



LCD display screen, 6.0 inches.



Reset feature automatically resumes all settings back to factory default options.



1-2 points calibration with auto/manual calibration.



Automatic recognition of 4.01pH, 7.00pH and 10.01pH pH standard buffer solutions.



Manual calibration allows to custom standard solution.



Manual temperature compensation ensures accurate results.

Specification

Model	PH-B100BD	
Parameters	pH/mV	
pH	Range	0.00~14.00pH
	Resolution	0.01pH
	Accuracy	±0.05pH
	Calibration Points	Up to 2
	Standard Recognition	NIST buffers (pH4.01, pH7.00, pH10.01)
mV	Range	-1400~1400mV
	Resolution	1mV
	Accuracy	±0.1%FS
Measurement	Reading Mode	Continuous
	Temp. Compensation	MTC
Inputs	pH Electrode	BNC (Q9)
	Backlight	Yes
Display options	Auto Shutdown	off, 300 Sec, 600 Sec, 900 Sec, 1200 Sec, 1500 Sec, 1800 Sec, 2100 Sec, 2400 Sec, 2700 Sec, and 3600 Sec.
	IP Rating	IP54
General	Power	EU Power Adapter (Input: AC 230V/50Hz; Output: DC 12V/1000mA). Configurable power adapter option available.
	Dimensions	200×160×63 mm
	Net Weight	600g (1.32 lb)

Benchtop pH Meter

PH-B200EM



Feature

- ◆ IP54 waterproof.
- ◆ Data storage 50 sets for each parameter.
- ◆ 1-3 points calibration with standard recognition.
- ◆ High resolution LCD display screen, 6.0 inches.

Advantages



Auto-hold feature senses and locks the measurement endpoint.



Reset feature automatically resumes all settings back to factory default options.



6-inch high resolution LCD display screen.



Manual temperature compensation ensures accurate results



Data storage 50 sets for each parameter.



Multi-reading feature allows auto-read and continuous-read.



IP54 waterproof.



1-3 points calibration with standard recognition.



- PH-B200EM pH Meter 1 Set
- E-201F pH composite electrode 1 Piece
- REX-5 electrode stand 1 Set
- Power adapter DC 9V(European plug model, QD24-0902000-A1) 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Dust cover (Key function version) 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.

Specifications

Model		PH-B200EM
Parameters		pH/mV
pH	Range	-2.00 to 18.00 pH
	Resolution	0.01pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 3
	Standard Recognition	NIST buffers
mV	Range	-1999 to 1999 mV
	Resolution	1 mV
	Accuracy	±0.1%FS
Measurement	Reading Mode	Auto Read, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	MTC
Data management	Data Storage	50 results each
Inputs	pH Electrode	BNC(Q9)
	Backlight	Yes
Display options	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP54
	Electricity	AC Adapter, 100-240V AC input, DC9V output
General	Dimensions	W242×D195×H68 mm
	Package Dimension	W360×D300×H230 mm
	N.W./G.W.	900g/2.6kg

Benchtop pH Meter

PH-B200E

Feature

- ◆ IP54 waterproof.
- ◆ Data storage 50 sets for each parameter.
- ◆ 1-3 points calibration with standard recognition.
- ◆ High resolution LCD display screen, 6.0 inches.



Advantages



Automatic/Manual temperature compensation ensures accurate results.



Automatic recognition of 1.68pH, 4.01pH, 7.00pH and 10.01pH pH standard buffer solutions.
Manual calibration allows to custom standard solution.



Reset feature automatically resumes all settings back to factory default options.



High resolution LCD display screen, 6.0 inches.



Auto-hold feature senses and locks the measurement endpoint.



Data Storage 50 sets for each parameter.



Multi-reading feature allows auto-read and continuous-read.



IP54 waterproof.



1-3 points calibration with auto/manual calibration.

- PH-B200E pH Meter 1 Set
- E-301-QC 3 in 1 pH composite electrode 1 Piece
- REX-5 electrode stand 1 Set
- Power adapter DC 9V(European plug model, QD24-0902000-A1) 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Dust cover (Key function version) 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece



Specifications

Model		PH-B200E	
Parameters		pH/Temp.(mV)	
	pH	Range	-2.00 to 18.00 pH
		Resolution	0.01 pH
		Accuracy	±0.01 pH
		Calibration Points	Up to 3
Standard Recognition		NIST buffers (pH1.68, pH4.01, pH7.00, pH10.01)	
mV	Range	-1999 to 1999 mV	
	Resolution	1 mV	
	Accuracy	±0.1%FS	
Temperature	Range	-5 to 110 °C(23 to 230 °F)	
	Unit	°C	
	Resolution	0.1	
Measurement	Accuracy	±0.2	
	Reading Mode	Auto Read, Continuous	
	Reading Prompts	Reading, Stable, Locked	
Data management	Temp. Compensation	ATC, MTC	
	Data Storage	50 results each	
Inputs	pH Electrode	BNC(Q9)	
	Temp. Probe	4-pin aviation connector	
Display options	Backlight	Yes	
	Auto Shutdown	off, 300 Sec, 600 Sec, 900 Sec, 1200 Sec, 1500 Sec, 1800 Sec, 2100 Sec, 2400 Sec, 2700 Sec, and 3600 Sec.	
	IP Rating	IP54	
General	Electricity	Output: DC/9~24V. Configurable power adapter option available.	
	Dimensions	242×195×68 mm	
	Package Dimension (W*D*H)	370×300×240mm	
	G.W./N.W.	2.7kg/0.9kg	

Description



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Benchtop pH Meter

PH-B300F



Features



IP54 waterproof.



Data storage 500 sets (GLP-compliant).



Support for USB and RS-232 communication.



Description



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- High resolution LCD display, 5.7 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Reset feature automatically resumes all settings back to factory default options.
- Data storage 500 sets (GLP-compliant).
- Support for USB and RS-232 communication.
- IP54 waterproof.
- 1-5 points calibration with standard recognition.



PH-B300F pH Meter 1 Set
 E-301-QC 3 in 1 pH composite electrode 1 Piece
 REX-5 electrode stand 1 Set
 Power adapter DC 9V (European plug model, QD24-0902000-A1) 1 Piece
 Universal USB cable 1 Piece
 Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
 Dust cover (Key function version) 1 Piece
 Operation quick guide 1 Piece
 Instruction manual 1 Piece

Specifications





Parameters	Model	PH-B300F
pH	Range	-2.00 to 20.00pH
	Resolution	0.1, 0.01 pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB and DIN buffers
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
	Accuracy	±0.3 mV or ±0.1%
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.2
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	500 results each
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	4-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242×195× 68 mm
	Weight	900g
	Package size	(W*D*H)360*300*240mm 2.7kg

Benchtop pH Meter

PH-B400F



Features

-  IP54 waterproof.
-  1-5 points calibration with Standard Recognition.
-  High resolution LCD display
-  Support for USB and RS-232 communication.



Description



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- 5.7-inch high resolution LCD display.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic electrode diagnosis with pH slope and offset display.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Reset feature automatically resumes all settings back to factory default options.
- Data Storage 500 sets (GLP-compliant).
- Support for USB and RS-232 communication.
- IP54 waterproof.
- 1-5 points calibration with standard recognition.



- PH-B400F pH Meter 1 Set
- E-301-QC 3 in 1 pH composite electrode 1 Piece
- REX-5 electrode stand 1 Set
- Power adapter DC 9V(European plug model, QD24-0902000-A1) 1 Piece
- Universal USB cable 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Dust cover (Key function version) 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece

Specifications

Parameters	Model	PH-B400F
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	±0.002 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, DIN, USA and MERK buffers
mV	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.1 mV or ±0.03%
Temperature	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Accuracy	±0.1
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	USB	USB 2.0 flash memory device, PC
Display options	RS 232	printer
	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Electricity	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242×195× 68 mm
	Weight	900g

Benchtop pH Meter

PH-B500T



Features



IP54 waterproof.



1-6 points calibration with Standard Recognition.



Color High contrast LCD touchscreen



Support for USB and RS-232 communication.



Description

PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.

- 7-inch color high contrast LCD touchscreen.
- Intelligent operation system provides features including user management, calibration management, method management, data management and etc.
- Automatic electrode diagnosis with pH slope and offset display.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Selectable pH buffer groups, including DIN, NIST, USA, MERK, JIS, GB.
- Reset feature automatically resumes all settings back to factory default options.
- Data Storage 1000 sets for each parameter (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Support for USB and RS-232 communication.
- IP54 waterproof.
- 1-6 points calibration with standard recognition.
- Support for pH standard group customization.



PH-B500T pH Meter 1 Set
 962201 pH composite electrode (Premium) 1 Piece
 T-818-Q Temperature probe 1 Piece
 Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
 REX-6 electrode stand 1 Piece
 GC65-240270-F Power adapter DC24V 1 Piece
 Dust cover (Touch screen version) 1 Piece
 European standard power cord(3VTJ2) 1 Piece
 Universal USB cable 1 Piece
 Touch pen (Capacitive screen) 1 Piece
 Operation quick guide 1 Piece
 Instruction manual 1 Piece

Specifications

Parameters	Model	PH-B500T
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	±0.002 pH
	Calibration Points	Up to 6
	Standard Customization	Yes
	Calibration Reminder	Yes
	Standard Recognition	NIST, GB, DIN, USA, MERK, JIS buffers
mV/ORP	Slope Limit	Yes
	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.1 mV or ±0.03%
	EH ORP Mode	Yes
Temperature	ORP Calibration Points	1 custom point (relative mV)
	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Accuracy	±0.1
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
	GLP Features	Yes
Inputs	Log Management	Yes
	pH Electrode	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	USB	USB 2.0 flash memory device, PC
Display options	RS 232	printer, scanner, auto-sampler
	Backlight	Yes
	Auto Shutdown	1-60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Electricity	AC Adapter, 100-240V AC input, DC24V output
	Dimensions	220×195×68 mm
	Weight	950g

Benchttop pH Meter

PH-B600L

Features



IP54 waterproof.



1-6 points calibration with Standard Recognition.



Support for pH standard group customization.



GENERAL FEATURES

- Color High contrast LCD touchscreen, 7.0 inches.
- Temperature Unit Options: Choose between °C or °F.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

pH module

- It shows the mV, pH and ORP
- NIST, USA, MERK GB, DIN, or JIS pH buffers standard recognition.
- Data storage of 1000 sets of pH measurement results, 100 sets of calibration data, and 1000 sets of pH standard solution verification data.

Smart operation, Auto-recognition, High throughput

- Intelligent operating system, with user management, method management, method management, sample management, electrode management, data management, GMP management and other functions.
- User three-level authority management and password management.
- Method management function, built-in methods and custom measurement methods.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Support calibration reminder and forced calibration function
- Support standard liquid check and mandatory check function
- Calibration and measurement alarm limit setting.
- Connection with automatic sampler to realize the automatic measurement and batch detection of samples.

Data management, Audit trail

- Data Storage 1000 sets for each parameter (GLP-compliant).
- Support for GMP management, the GMP logs achieve the tracking and analysis of the data.
- Support for RS-232 communication for print and the print format can be alternate.
- Support for USB communication for PC software.
- Support for U disk for method export and import.
- Support for U disk for data export with CSV or PDF format.
- Support for barcode scanner.

Description



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Description	Quantity
PH-B600L Analyzer	1 Set
pH module	1 pc
RES module	3 pcs
REX-6 Electrode stand	1 pc
E-301-QC 3 in 1 pH composite electrode	1 pc
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01)	1 Bottle each
Power adapter	1 pc
USB communication cable	1 pc
USB extension cable (A female to A male)	1 pc
Touch pen	1 pc
Operation guide	1 pc
Instruction manual	1 pc

Specifications

Parameters	Model	PH-B600L
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	±0.002 pH
	Calibration Points	Up to 6
	Standard Customization	Yes
	Calibration Reminder	Yes
	Standard Recognition	NIST, USA, MERK GB, DIN, or JIS pH buffers standard recognition.
mV/ORP	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.03%FS
Temperature	Range	(-10.0~135.0)°C/(14.0~275.0)°F
	Resolution	0.1°C/0.1°F
	Accuracy	+0.3°C (0.0°C ~60.0°C); +1.0 °C (Other Range)
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	1000 Groups
	GLP Features	Yes
	Log Management	Yes
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	Four-pin aviation
Outputs	USB, RS 232	USB 2.0 flash memory device, printer, PC
	Backlight	Yes
Display options	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100~240V AC input, DC24V output
	Dimensions	280×280×130 mm
	Dimensions	240×310×98mm
	Weight	about 2.0kg

Benchtop pH Meter

BEP-M920



BEP-M920



Features

pH BEP-M920:

- 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 BEP-M920:

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

Measurement Parameters

BEP-M920: pH, mV, relative mV, temperature



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

Specifications

Model	BEP-M920
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	
mV Range	±1999mV
Relative mV Range	±1999mV
Resolution	0.1, 1mV, selectable
Accuracy	±0.2mV
Calibration Points	1 point
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
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
Memory	500 data sets
Communication Interface	USB
Connector	BNC, 3.5mm jack socket
Display	Custom LCD(125×100mm)
Power Requirements	DC5V power adapter
Dimensions	210(L)×188(W)×60(H) mm
Weight	1.5kg

Ordering Information

BEP-M920-CN: Meter, E201-BNC plastic body pH electrode, temperature probe, pH buffer sachets, electrode holder, USB cable (for BEP-M920 only) and power adapter

BEP-M920-UK: Meter, P11 glass pH electrode, temperature probe, pH buffer sachets, electrode holder, USB cable (for BEP-M920 only) and power adapter

BEP-M920-ORP: Meter, E201-BNC plastic body pH electrode, 501 ORP electrode, temperature probe, pH buffer sachets, electrode holder, USB cable and power adapter



Portable pH Meter

BEP-M221



Measurement Parameters

pH, mV, relative mV, temperature



Multi-mode powerscheme (batteries, power adapter and USB port) ensures that using Reset function automatically resumes all settings back to the factory defaults

pH



1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers



Calibration due alarm prompts user to calibrate the meter regularly

ORP



1 point offset calibration allows adjusting the displayed value to a known standard



Expanded memory stores or recalls up to 500 data sets
Relative and absolute millivolt modes ensure the reliable ORP measurements
General Features



Automatic temperature compensation ensures accurate readings over the entire range



Automatic electrode diagnosis shows the pH slope and offset



Auto-Read function senses and locks the measurement endpoint
Auto-Power Off effectively conserves battery life



Setup menu allows to set the pH buffer set, number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.



Specifications

Model	BEP-M221
pH	
Range	-2.000 to 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
Measurement Modes	Relative or absolute mV
Temperature	
Range	0 to 105°C/32 to 221°F
Resolution	0.1°C/0.1°F
Accuracy	±0.5°C/±0.9°F
Offset Calibration	1 point
Calibration Range	Reading ±10°C
General Specifications	
Temperature Compensation	0 to 100°C/32 to 212°F, manual or automatic
Stability Criteria	Low or high
Calibration Due Alarm	1 to 31 days or off
Auto-Power Off	10, 20 or 30 minutes after last key pressed
Memory	Stores up to 500 data sets
Output	USB
Connector	BNC, 3.5mm jack socket
Display	Custom LCD (80×60mm)
Power	3×1.5V AA batteries or DC5V power adapter
Battery Life	Approximately 150 hours (turn off the backlight)
Dimensions	170(L)×85(W)×30(H)mm
Weight	300g

Portable pH Meter

PH-P110B



Features



IP65 waterproof.



1-2 points calibration with Standard Recognition.



3.5-inch LCD display screen.



Features

- 3.5-inch LCD display screen.
- Reset feature automatically resumes all settings back to factory default options.
- Auto-power off feature effectively extends the battery service life.
- IP65 waterproof.
- 1-2 points calibration with standard recognition.
- Manual temperature compensation ensures accurate results



PH-P110B Portable pH meter 1 Set

E-201F pH composite electrode 1 Piece

Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each

Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece

Electrode holder 2 Pieces

MicroUSB cable 1 Piece

Silicone rubber case (Installed on the host) 1 Piece

Wristband assembly (Small) 1 Piece

Operation quick guide 1 Piece

Instruction manual 1 Piece

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.

Specifications

Model	PH-P110B	
Parameters	pH/mV	
pH	Range	-0.00 to 14.00pH
	Resolution	0.01pH
	Accuracy	±0.03 pH
	Calibration Points	Up to 2
	Auto Standard Recognition	NIST buffers
mV	Range	-1400.0 to 1400.0 mV
	Resolution	1 mV
	Accuracy	±0.2%FS
Measurement	Reading Mode	Continuous
	Reading Prompts	Reading, Stable
	Temp. Compensation	MTC
Inputs	pH Electrode	
Display options	pH Electrode	BNC(Q9)
	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	
	IP65	
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	80×225×35 mm
	Weight	400g

Portable pH Meter

PH-P210E



Features



IP65 waterproof.



1-3 points calibration with Standard Recognition.



3.5-inch LCD display screen.



Data capacity of up to 200 sets for each parameter.



Features

- 3.5-inch LCD display screen.
- Multi-reading feature allows auto-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data capacity of up to 200 sets for each parameter.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof.
- 1-3 points calibration with standard recognition.
- Automatic/Manual temperature compensation ensures accurate results



PH-P210E pH Meter 1 Set
 E-301-QC 3 in 1 pH composite electrode 1 Piece
 Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
 Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
 Electrode holder 2 Pieces
 MicroUSB cable 1 Piece
 Silicone rubber case (Installed on the host) 1 Piece
 Wristband assembly (Small) 1 Piece
 Operation quick guide 1 Piece
 Instruction manual 1 Piece

Specifications

Model	PH-P210E	
Parameters	pH/Temp.(mV)	
pH	Range	-2.00 to 18.00 pH
	Resolution	0.01pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 3
mV	Auto Standard Recognition	NIST buffers
	Range	-1999 to 1999 mV
	Resolution	1 mV
Temperature	Accuracy	±0.1%FS
	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Relative Accuracy	±0.2
	Reading Mode	Auto Read, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	200 results each
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	4-pin aviation connector
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	80×225×35 mm
	Weight	400g

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.

Portable pH Meter

PH-P310F PH-P310T



Features

- IP65 waterproof.
- 1-5 points calibration with Standard Recognition.
- 3.5-inch LCD display screen.
- Support for USB communication.



PH-P310F

PH-P310T

Features

- 3.5-inch LCD display screen.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data capacity of up to 500 sets for each parameter (GLP-compliant).
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof.
- 1-5 points calibration with standard recognition.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Automatic electrode diagnosis with pH slope and offset display.

Specifications

Model	PH-P310F	PH-P310T	
Parameters	pH/Temp.(mV)		
pH	Range	-2.00 to 20.00pH	
	Resolution	0.1, 0.01 pH	
	Accuracy	±0.01 pH	
	Calibration Points	Up to 5	
	Standard Customization	Yes	
	Standard Recognition	NIST, GB and DIN buffers	
mV	Slope Limit	Yes	
	Range	-2000.0 to 2000.0 mV	
Temperature	Resolution	0.1	
	Accuracy	±0.3 mV or ±0.1%	
	Range	-5 to 110 °C, 23 to 230 °F	
Measurement	Unit	°C, °F	
	Resolution	0.1	
Data management	Relative Accuracy	±0.2	
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous	
	Reading Prompts	Reading, Stable, Locked	
Inputs	Temp. Compensation	ATC, MTC	
	Data Storage	500 results each	1000 Groups
Outputs	GLP Features	Yes	
	pH Electrode	BNC(Q9)	
Display options	Temp. Probe	4-pin aviation connector	
	USB	PC, printer	
General	Backlight	Yes	
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off	
	IP Rating	IP65	
	Date and Time	Yes	
Electricity	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output	
	Dimensions	W80×D255×H35 mm	90 x 255 x 40 mm
	Package Dimension (W*D*H)(mm)	W360×D300×H180mm	/
	G.W./N.W.(kg)	2.3kg/0.4kg	N.W.0.5kg

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.



- PH-P310F pH Meter 1 Set
- E-301-QC 3 in 1 pH composite electrode 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
- Electrode holder 2 Pieces
- MicroUSB cable 1 Piece
- MicroUSB to DB25 printing cable 1 Piece
- Silicone rubber case (Installed on the host) 1 Piece
- Wristband assembly (Small) 1 Piece
- Carrying case 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece

PH-P310F



- PH-P310T pH Meter 1 Set
- E-301-QC 3 in 1 pH composite electrode 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
- Electrode holder 2 Pieces
- MicroUSB cable 1 Piece
- MicroUSB to DB25 printing cable 1 Piece
- Touch pen (Capacitive screen) 1 Piece
- Silicone rubber case (Installed on the host) 1 Piece
- Wristband assembly (Large) 1 Piece
- Carrying case 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece

PH-P310T



Portable pH Meter

PH-P510T

Features



IP65 waterproof.



1-8 points calibration with Standard Recognition.



4.3-inch color high contrast LCD touch screen



Support for USB communication.

Features

- Color High contrast LCD touchscreen, 4.3 inches.
- Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 1000 sets for each parameter (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- 1-8 points calibration with standard recognition.
- Selectable pH buffer groups, including USA, NIST, DIN, GB, MERK, JIS.
- User-defined pH buffer or buffer group is supported.
- Automatic electrode diagnosis with pH slope and offset display.



Specifications

Model	PH-P510T	
Parameters	pH/Temp.(mV/ORP)	
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	±0.002 pH
	Calibration Points	Up to 8
	Standard Customization	Yes
	Calibration Reminder	Yes
	Standard Recognition	USA, NIST, MERK, JIS, GB and DIN buffers
	Slope Limit	Yes
mV/ORP	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.1 mV or ±0.03%
	EH ORP Mode	Yes
	ORP Calibration Points	1 custom point (relative mV)
Temperature	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	0.1
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	1000 Groups
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	4-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC, scanner
	Backlight	Yes
Display options	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90×255×40 mm
	Weight	500g

Description



PH measurement has a wide range of applications. It is now widely used in colleges, environmental protection, medicine, food, health, geological exploration, metallurgy, marine exploration and other fields. PH measurement is required for common acid rain detection, surface water, industrial wastewater, drinking water, beverages, daily chemical products, textiles, etc.



PH-P510T pH Meter 1 Set

- E-301-QC 3 in 1 pH composite electrode 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
- Electrode holder 2 Pieces
- MicroUSB cable 1 Piece
- OTG adapter cable (MicroUSB connector) 1 Piece
- Touch pen (Capacitive screen) 1 Piece
- Silicone rubber case (Installed on the host) 1 Piece
- Wristband assembly (Large) 1 Piece
- Carrying case 1 Piece
- Operation quick guide 1 Piece
- Instruction manual 1 Piece



Pocket pH Meter

PH-P10F PH-P10S PH-P10L



PH-P10F



PH-P10S



PH-P10L



Features



Waterproof pocket pH tester with an easy-to-read LCD display.



2 points push-button calibration with auto-buffer recognition.



Auto-Power Off effectively conserves battery life.



Hold function momentarily freezes reading for easy viewing and recording.



Replaceable electrode module reduces maintenance and replacement cost.



Waterproof feature to ensure complete protection in harsh environment.

Features & Applications

Flat surface pH-sensitive membrane is suitable for measuring the semi solids.



PH-P10F

- ◆ Food and beverage
- ◆ Skin and paper measurements

Circular pH-sensitive membrane fully senses the pH of liquids.



PH-P10S

- ◆ Swimming pool and spa
- ◆ Aquariums
- ◆ Education applications

Long-reach pH electrode is suitable for measuring the pH value of samples inside small containers.



PH-P10L

- ◆ Paint and dye testing
- ◆ Brewing and other industrial applications
- ◆ applications

Specifications

Model	PH-P10F	PH-P10S	PH-P10L
Range	0.0 to 14.0pH		
Resolution	0.1pH		
Accuracy	±0.1pH		
Calibration Points	2 points		
pH Buffer Options	USA (pH4.01/7.00/10.01)		
Hold Function	Manual		
Auto-Power Off	8 minutes after last key pressed		
Display	Single-line LCD (21×21mm)		
Power	3×1.5V LR44 micro alkaline batteries		
Battery Life	Approximately 150 hours of continuous use		
Dimensions	185(L)×40(Dia.)mm		240(L)×40(Dia.)mm
Weight	100g		
Package size	(W*D*H)300*110*60mm	0.4kg	

Pocket pH Meter

PH-P20F PH-P20S PH-P20L



PH-P20F



PH-P20S



PH-P20L



Features



Automatic temperature compensation ensures accurate readings over the entire range.



2 points push-button calibration with auto-buffer recognition.



Auto-Power Off effectively conserves battery life.



Hold function momentarily freezes reading for easy viewing and recording.



Replaceable electrode module reduces maintenance and replacement cost.



Waterproof feature to ensure complete protection in harsh environment.

Features & Applications

Economical pocket pH tester is equipped with a flat surface pH electrode.



PH-P20F

- ◆ Soil analysis
- ◆ Printing and cosmetics industries
- ◆ Other industrial applications

Economical pocket pH tester is equipped with a circular glass bulb electrode.



PH-P20S

- ◆ Water and wastewater treatment
- ◆ Research and education
- ◆ Environmental monitoring and other industrial applications

Economical pocket pH tester, 2 points calibration, Automatic Temperature Compensation. The meter is suitable for measuring the pH value of samples inside small containers, accuracy: 0.05pH.



PH-P20L

- ◆ Aquaculture and hydroponics
- ◆ Food and beverage
- ◆ Agriculture and other applications

Specifications

Model	PH-P20F	PH-P20S	PH-P20L
pH			
Range	0.00 to 14.00pH		
Resolution	0.01pH		
Accuracy	±0.05pH		
Calibration Points	2 points		
pH Buffer Options	USA (pH4.01/7.00/10.01)		
Temperature			
Range	0 to 60°C		
Resolution	1°C		
Accuracy	±1°C		
General Specifications			
Temperature Compensation	0 to 60°C, automatic		
Hold Function	Manual		
Auto-Power Off	8 minutes after last key pressed		
Display	Single-line LCD (21×21mm)		
Power	3×1.5V LR44 micro alkaline batteries		
Battery Life	Approximately 150 hours of continuous use		
Dimensions	185(L)×40(Dia.)mm		240(L)×40(Dia.)mm
Weight	100g		

Pocket pH Meter

PH-P30F PH-P30S PH-P30L



PH-P30F PH-P30S PH-P30L



Features



PH-P30F

Flat surface pH electrode is suitable for semisolids and flat surface pH measurements.



PH-P30S

Circular glass bulb electrode fully senses the pH of liquids.



PH-P30L

Long-reach pH electrode is suitable for measuring the pH value of samples inside small containers.

Features



High-accuracy pocket pH tester with a dual display LCD.



Auto-Read function senses and locks the measurement endpoint.



Auto-Power Off effectively conserves battery life.



Automatic temperature compensation ensures accurate readings over the entire range.



1 to 3 points calibration with automatic recognition for USA and NIST buffers.



Reset function automatically resumes all settings back to the factory defaults.



Setup menu allows to set the pH buffer group, number of calibration points, temperature unit, etc.



Replaceable electrode module reduces maintenance and replacement cost.



Waterproof feature to ensure complete protection in harsh environments.

Specifications

Model	PH-P30F	PH-P30S	PH-P30L
pH			
Range	-1.00 to 15.00pH		
Resolution	0.01pH		
Accuracy	±0.01pH		
Calibration Points	1 to 3 points		
pH Buffer Options	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)		
Temperature			
Range	0 to 60°C/32 to 140°F		
Resolution	0.1°C/0.1°F		
Accuracy	±1°C/±1.8°F		
Offset Calibration	1 point		
Calibration Range	Reading ±10°C		
General Specifications			
Temperature Compensation	0 to 60°C/32 to 140°F, automatic		
Hold Function	Manual or auto-endpoint		
Auto-Power Off	8 minutes after the last key is pressed		
Display	Dual-line LCD (21×21mm)		
Power	2×1.5V AAA batteries		
Battery Life	Approximately 200 hours of continuous use		
Dimensions	185(L)×40(Dia.)mm	240(L)×40(Dia.)mm	
Weight	100g		

Pocket pH Meter

PH-P40



BNC connector is capable of connecting the different types of pH electrodes.



Manual temperature compensation allows to adjust the temperature value.



Auto-Power Off effectively conserves battery life.



Setup menu allows to set the pH buffer group, number of calibration points, temperature unit, etc.



1 to 3 points calibration with auto-buffer recognition.



Auto-Read function senses and locks the measurement endpoint.



Reset function automatically resumes all set back to the factory defaults.

Features



Water and wastewater treatment
 Aquaculture and hydroponics
 Environmental monitoring and other industrial applications

Specifications

Model	PH-P40
Range	-1.00 to 15.00pH
Resolution	0.01pH
Accuracy	±0.01pH
Calibration Points	1 to 3 points
pH Buffer Options	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
Temperature Compensation	0 to 100°C/32 to 212°F, manual
Hold Function	Manual or auto-endpoint
Auto-Power Off	8 minutes after last key pressed
Connector	BNC
Display	Dual-line LCD (21×21mm)
Power	2×1.5V AAA batteries
Battery Life	Approximately 200 hours of continuous use
Dimensions	175(L)×40(Dia.)mm
Weight	100g

Pocket pH Meter

PH-BT10



Description



1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers

Auto-Read function senses and locks the measurement endpoint

Password protection prevents the unauthorized calibration and settings



Automatic electrode diagnosis shows the pH slope and offset

Reset function automatically resumes all settings back to the factory defaults

Timed Interval Readings sends the measurement data to memory or printer

Multiparameter measurement allows up to be 3 testers connected to device and displays the measured values



Limit Alarm automatically alerts when reading exceeds the specified range

Calibration due alarm prompts user to calibrate the tester regularly



Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C

Automatic temperature compensation ensures accurate readings over the entire range



Features

Ordering Information

PH-BT10: Tester, pH buffer solutions and carrying case

Specifications

Model	PH-BT10
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, 5 custom buffers
Temperature Compensation	0~100°C/32~212°F, automatic
Solution Temperature Coefficient	25°C
mv	
Range	+2000.0mV
Resolution	0.1,1mV, selectable
Accuracy	+0.2mV

Portable pH Meter

PH-W2



Description

This pH meter is ideal for aquariums, aquaculture, fish hatcheries, food processing, laboratories, paper industry, swimming pools, schools and universities.



Features

High-sensitivity glass probe

Special material glass electrode probe, accurate and fast signal transmission.



High-definition large screen display

The reading on the large screen is clearer and more intuitive, which is suitable for the needs of acid and alkali measurement in various industries.



LR44 button battery

The button battery is used for electricity, which is easy to replace and durable. Recalibration is required after replacing the battery.



Easy to use & Convenient to carry

Small in size, with a clip design on the back for easy portability

Specification

Model	PH-W2
Measuring Range	0.00~14.00pH
Measuring Resolution	0.01pH
Measuring Accuracy	±0.1pH
Matching Electrode	Fixed pH sensor
Automatic Temp. Compensation	0℃~50℃
Working Environment	0℃~50℃ ; RH≤95%
Battery	2×1.5V
Dimension	155×31×16mm
Net Weight	102g

Online pH Meter

PH-OL620



Description



1 to 3 points calibration with auto-buffer recognition



Selectable pH buffer set, including the USA and NIST options



Automatic temperature compensation ensures accurate readings over the entire range



Automatic electrode diagnosis helps the user decide whether to replace the sensor



Setup menu allows setting the number of calibration points, alarm limits, hysteresis value, 4 to 20mA output, etc.



Reset function automatically resumes all settings back to the factory defaults

Specifications

Model	PH-OL620
pH	
Range	-1.00-15.00pH
Resolution	0.01pH
Accuracy	±0.01pH
Calibration Points	1 to 3 points
pH Buffer Options	USA(4.01/7.00/10.01),NIST(4.01/6.86/9.18)
mV	
Range	±1000mV
Resolution	1mV
Accuracy	±1mV
Temperature	
Range	0~100°C/32~212°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration	1 point, reading ±10°C
Communication	
Signal Output	4-20mA
Load	Max. 500Ω
Low or High Alarm	0.00~14.00pH, selectable
Communication Interface	RS485
Connection Terminals	Detachable screw terminals
Other Specifications	
Temperature Compensation	0~100°C, automatic
Environmental Conditions	Ambient temperature <60°C, relative humidity< 80%
Power Requirements	DC24v
Dimensions	96(L)× 96 (W)×75(H)mm
Weight	350g