





Benchtop Ion Meter

BEP-M300B



Description

-  LCD display.
-  Data Storage 500 sets.
-  IP54 waterproof.
-  Support for USB and RS-232 communication.



- The BEP-M300B Benchtop pH/Ion Meter is suitable for health and disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and higher institutes and other fields.
The ion-selective electrode method has the advantages of simple operation and low detection limit.

Features

General Features

- High resolution LCD display, 5.7 inches.
- 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 500 sets (GLP-compliant).
- Support for USB and RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.





Features

pH

- 1-5 points calibration with Standard Recognition.
- 2.Selectable pH buffer groups, including NIST, DIN, GB, USA.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.



BEP-M300B pH/Ion Meter 1 Set
 JB-10 Stirrer 1 Set
 REX-5 electrode stand 1 Set
 B620 Stirrer bar 3 Pieces
 Power adapter DC 9V(European plug model, QD24-0902000-A1) 2 Pieces
 Universal USB cable 1 Piece
 Dust cover (Key function version) 1 Piece
 Operation quick guide 1 Piece
 Instruction manual 1 Piece

Specifications

	Model	BEP-M300B
	Parameters	pH/ISE/Temp.(mV/pX)
pH	Range	-2.00 to 20.00 pH
	Resolution	0.1, 0.01 pH
	Accuracy	± 0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, DIN, USA buffers
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1
	Accuracy	$\pm 0.1\%$ or ± 0.3 mV of reading whichever is greater
pX	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
	Accuracy	± 0.01 pX
	Calibration Points	Up to 5
ISE	Range	$1\text{E}-9$ to $9.999\text{E}9$
	Unit	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm
	Resolution	Up to 4 significant digits
	Accuracy	$\pm 0.5\%$
	Calibration Points	Up to 5
Temperature	Range	-5.0 to 110 °C, 23.0 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	Electrode	BNC(Q9)
Outputs	USB	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 Dimension (W*D*H)	460×280×350mm
	G.W.	4kg

Benchtop Ion Meter

BEP-M400B



Description

- The BEP-M400B Benchtop pH/Ion Meter is suitable for health and disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and higher institutes and other fields. The ion-selective electrode method has the advantages of simple operation and low detection limit.



LCD display.



Support for USB and RS-232.



Data Storage 500 sets.



IP54 waterproof.



Features

General Features

- High resolution LCD display, 5.7 inches.
- 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 500 sets (GLP-compliant).
- Support for USB and RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

Features



pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.



BEP-M400B pH/Ion Meter 1 Set
 JB-10 Stirrer 1 Set
 REX-5 electrode stand 1 Set
 B620 Stirrer bar 3 Pieces
 Power adapter DC 9V(European plug model, QD24-0902000-A1) 2 Pieces
 Universal USB cable 1 Piece
 Dust cover (Key function version) 1 Piece
 Operation quick guide 1 Piece
 Instruction manual 1 Piece

Specifications

	Model	BEP-M400B
	Parameters	pH/ISE/Temp.(mV/pX)
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
	Slope Limit	Yes
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1, 0.01 mV
	Accuracy	± 0.1 mV or $\pm 0.03\%$ of reading whichever is greater
pX	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	± 0.002 pX
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Unit	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm
	Resolution	Up to 4 significant digits
	Accuracy	$\pm 0.3\%$
	Calibration Points	Up to 5
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	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

Benchtop Ion Meter

BEP-M500B

CE

Description

-  Color High contrast LCD touchscreen.
-  Data Storage 1000 sets for each parameter.
-  IP54 waterproof.
-  Support for USB and RS-232 communication.



- The BEP-M500B Benchtop pH/Ion Meter is suitable for health and disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and higher institutes and other fields. The ion-selective electrode method has the advantages of simple operation and low detection limit.

Features

General Features

- Color High contrast LCD touchscreen, 7.0 inches.
- Intelligent operation system provides features including user management, calibration management, method management, data management and etc.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- 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.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.





Features

pH

- 1-6 points calibration with Standard Recognition.
- Selectable pH buffer groups, including DIN, NIST, USA, MERK, JIS, GB.
- Support for pH standard group customization.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-6 points calibration
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.



- Openbox**
- BEP-M500B pH/Ion Meter 1 Set
 - JB-10 Stirrer 1 Set
 - REX-6 electrode stand 1 Set
 - GC65-240270-F Power adapter DC24V 1 Piece
 - European plug model(QD24-0902000-A1)Power adapter DC 9V (Positive inside and negative outside) 1 Piece
 - B620 Stirrer bar 3 Pieces
 - 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
 - Instruction manual 1 Piece
 - Operation quick guide 1 Piece

Specifications

	Model	BEP-M500B
	Parameters	pH/ISE/Temp.(mV/ORP/pX)
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
	Slope Limit	Yes
mV	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	± 0.1 mV or $\pm 0.03\%$ of reading whichever is greater
	EH ORP Mode	Yes
	ORP Calibration Points	1 custom point (relative mV)
pX	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	± 0.002 pX
	Calibration Points	Up to 6
ISE	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm
	Resolution	Up to 4 significant digits
	Accuracy	$\pm 0.3\%$
	Calibration Points	Up to 6
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
	Log Management	Yes
Inputs	pH Electrode	BNC(Q9)
	Temp. Probe	4-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC
	RS 232	printer, scanner, auto-sampler
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, DC24V output
	Dimensions	220×195×68 mm
	Weight	950g

Portable Ion Meter

BEP-M310P



-  LCD display screen.
-  Data capacity of up to 500 sets.
-  Support for USB communication.
-  IP65 waterproof.

pH

- ◆ 1-5 points calibration with Standard Recognition.
- ◆ Selectable pH buffer groups, including NIST, DIN, GB.
- ◆ Automatic electrode diagnosis with pH slope and offset display.

Ion

- ◆ 1-5 points calibration.
- ◆ Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , etc.
- ◆ Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- ◆ Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.

Features



LCD display screen, 3.5 inches.



Support for USB communication.



Tilting stand Support better reading and operation



Wristbands Safety hold

Description

The BEP-M310P Portable pH/Ion Meter is suitable for health and disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and higher institutes and other fields. The ion-selective electrode method has the advantages of simple operation and low detection limit.

General Features



IP65 waterproof.



Data capacity of up to 500 sets for each parameter (GLP-compliant).



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



Auto-power off feature effectively extends the battery service life.



Automatic/Manual temperature compensation ensures accurate results.

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

Auto-hold feature senses and locks the measurement endpoint.

Specifications

Model		BEP-M310P
Parameters		pH/ISE/Temp.(mV/pX)
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
	Slope Limit	Yes
mV/ORP	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
	Accuracy	±0.3 mV or ±0.1%
pX	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
	Accuracy	±0.02 pX
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Calibration Points	Up to 5
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Relative Accuracy	±0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	USB	PC, printer

Model		BEP-M310P
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600sec., off
	IP Rating	IP65
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90 x 255 x 40 mm
	Weight	500g



BEP-M310P pH/Ion Meter 1 Set

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

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



Portable Ion Meter

BEP-M510P



-  Color High contrast LCD touchscreen.
-  Data Storage 1000 sets.
-  Support for USB communication.
-  IP65 waterproof.

pH

- ◆ 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.

Ion

- ◆ 1-6 points calibration.
- ◆ Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , etc.
- ◆ Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- ◆ Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.

Features



Color High contrast LCD touchscreen, 4.3 inches.



Support for USB communication.



Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.



Data analysis feature helps user review, compare and recalculate results.

Description

The BEP-M510P Portable pH/Ion Meter is suitable for health and disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and higher institutes and other fields. The ion-selective electrode method has the advantages of simple operation and low detection limit.

General Features



IP65 waterproof.



Data Storage 1000 sets for each parameter (GLP-compliant).



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



Auto-power off feature effectively extends the battery service life.

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



Automatic/Manual temperature compensation ensures accurate results.

Auto-hold feature senses and locks the measurement endpoint.

Specifications

Model		BEP-M510P
Parameters		pH/ISE/Temp.(mV/ORP/pX)
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% of reading whichever is greater
	EH ORP Mode	Yes
	ORP Calibration Points	1 custom point (relative mV)
pX	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	±0.002 pX
	Calibration Points	Up to 6
ISE	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L
	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 8
Temperature	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
	Relative 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

Model		BEP-M510P
Outputs	USB	USB 2.0 flash memory device, PC, scanner
Display options	Backlight	Yes
	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



BEP-M510P pH/Ion Meter 1 Set

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



Matched electrode (Required option)

Model	BEP-M300B	BEP-M400B	BEP-M500B	BEP-M600B
Model	Type	Measuring range	Electrode plug	Notes
701 Na+	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
PF-202-C	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
PF-202	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
PNH3 -1-01	Composite electrode	5*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
PF-2-01	Single Electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 232-01-X
PF-3-01	Single Electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 232-01-X
PCI-1-01	Single Electrode	5*10 ⁻⁵ -0.1mol/L	BNC (Type Q9)	Used with reference electrode C(K ₂ SO ₄)-1-X
PBr-1-01	Single Electrode	5*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
PI-1-01	Single Electrode	5*10 ⁻⁷ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
PK-1-01	Single Electrode	1*10 ⁻⁵ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
PCa-1-01	Single Electrode	1*10 ⁻⁵ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 232-01-X
PCu-1-01	Single Electrode	5*10 ⁻⁷ -0.1mol/L	BNC (Type Q9)	Used with reference electrode C(K ₂ SO ₄)-1-X
PPb-1-01	Single Electrode	5*10 ⁻⁷ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
PNO3 -1-01	Single Electrode	1*10 ⁻⁵ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 232-01-X
PCIO4-1-01	Single Electrode	5*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
PAG/S-1-01	Single Electrode	3x10 ⁻⁷ mol/L-0.1mol/L	BNC (Type Q9)	Used with reference electrode C(K ₂ SO ₄)-1-X
PBF4-1-01	Single Electrode	3x10 ⁻⁶ mol/L-0.1mol/L	BNC (Type Q9)	Used with reference electrode 232-01-X
PCN-1-01	Single Electrode	1*10 ⁻⁶ -1*10 ⁻² mol/L	BNC (Type Q9)	Used with reference electrode 217-01-X
972101 F-	Composite electrode	1x10 ⁻⁶ mol/L-saturated	BNC (Type Q9)	
972102 Cl-	Composite electrode	5*10 ⁻⁵ -1mol/L	BNC (Type Q9)	
972103 Br-	Composite electrode	2*10 ⁻⁶ -1mol/L	BNC (Type Q9)	
972104 I-	Composite electrode	1*10 ⁻⁷ -1mol/L	BNC (Type Q9)	
972105 Cu+	Composite electrode	1*10 ⁻⁷ -0.1mol/L	BNC (Type Q9)	
972106 Pb	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
972207 Na+	Composite electrode	1x10 ⁻⁷ mol/L-saturated	S7	
972121 K+	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)	
972122 (NH ₄ ⁺)	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)	
972123 NO ₃ ⁻	Composite electrode	1x10 ⁻⁵ -1mol/L	BNC (Type Q9)	
972124 Ca ²⁺	Composite electrode	5*10 ⁻⁷ -1mol/L	BNC (Type Q9)	
972125 BF ₄ ⁻	Composite electrode	1x10 ⁻⁶ -0.1mol/L	BNC (Type Q9)	
972126 ClO ₄ ⁻	Composite electrode	1x10 ⁻⁵ -0.1mol/L	BNC (Type Q9)	
972140 NH ₃ -	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)	
972150 Residual chlorine electrode	Composite electrode	(0.01-20) ppm (as chlorine gas)	BNC (Type Q9)	

Matched electrode (Required option)

Model	BEP-M310P	BEP-M510P	
Model	Type	Measuring range	Electrode plug
701 Na+	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
PF-202-C	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
PF-202	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
PNH3 -1-01	Composite electrode	5*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
972101 F-	Composite electrode	1x10 ⁻⁶ mol/L-saturated	BNC (Type Q9)
972102 Cl-	Composite electrode	5*10 ⁻⁵ -1mol/L	BNC (Type Q9)
972103 Br-	Composite electrode	2*10 ⁻⁶ -1mol/L	BNC (Type Q9)
972104 I-	Composite electrode	1*10 ⁻⁷ -1mol/L	BNC (Type Q9)
972105 Cu+	Composite electrode	1*10 ⁻⁷ -0.1mol/L	BNC (Type Q9)
972106 Pb	Composite electrode	1*10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
972207 Na+	Composite electrode	1x10 ⁻⁷ mol/L-saturated	S7
972121 K+	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)
972122 (NH ₄ ⁺)	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)
972123 NO ₃ ⁻	Composite electrode	1x10 ⁻⁵ -1mol/L	BNC (Type Q9)
972124 Ca ²⁺	Composite electrode	5*10 ⁻⁷ -1mol/L	BNC (Type Q9)
972125 BF ₄ ⁻	Composite electrode	1x10 ⁻⁶ -0.1mol/L	BNC (Type Q9)
972126 ClO ₄ ⁻	Composite electrode	1x10 ⁻⁵ -0.1mol/L	BNC (Type Q9)
972140 NH ₃ -	Composite electrode	1x10 ⁻⁶ -1mol/L	BNC (Type Q9)
972150 Residual chlorine electrode	Composite electrode	(0.01-20) ppm (as chlorine gas)	BNC (Type Q9)

Benchtop Ion Meter

BEP-M130

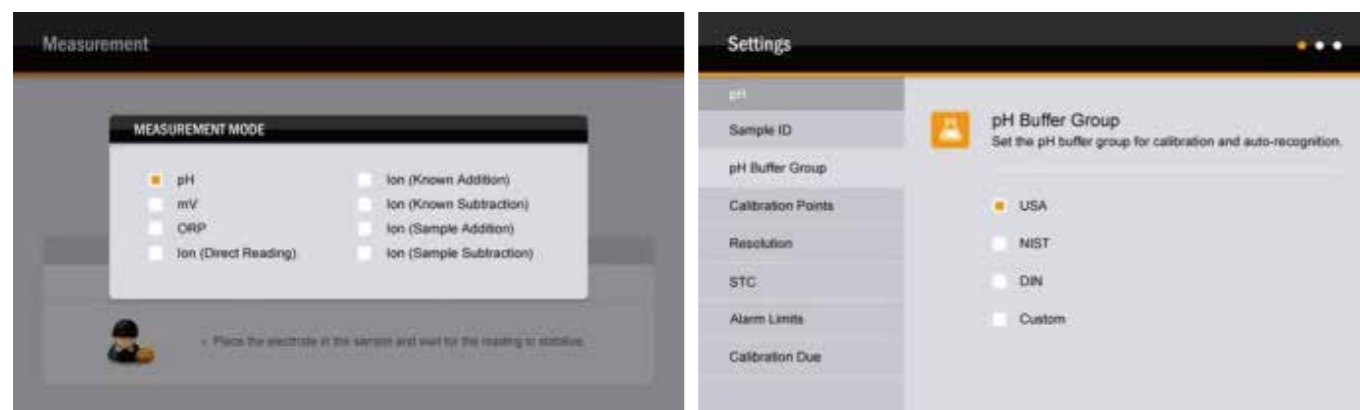


Measurement Parameters

BEP-M130:
pH, mV, relative mV,
ion concentration,
water hardness,
temperature

ORP

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




pH

- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and offset
- Solution temperature coefficient compensates for the pure water samples and references the pH to 25°C


Ion Concentration

- 2 to 5 points calibration, including the 8 concentration points can be selected
- Automatic electrode diagnosis shows the calibration points and slopes
- 2 to 5 points calibration from low to high concentrations
- Electrode management is capable of storing and recalling up to 3 electrode slopes
- Selectable ion measurement methods (direct reading, known addition, known subtraction, sample addition, sample subtraction) and concentration units (ppm, mg/L, mol/L or mol/L) Water Hardness
- Selectable measurement units (German degree, English degree, French degree, mmol/L and mg/L) are used for professional water hardness measurements


General Features




Auto-Read function senses and locks the measurement endpoint.




Timed Interval Readings sends the measurement data to a PC or printer.




Limit Alarm automatically alerts when reading exceeds the specified range.




Password protection prevents the unauthorized calibration and settings.



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



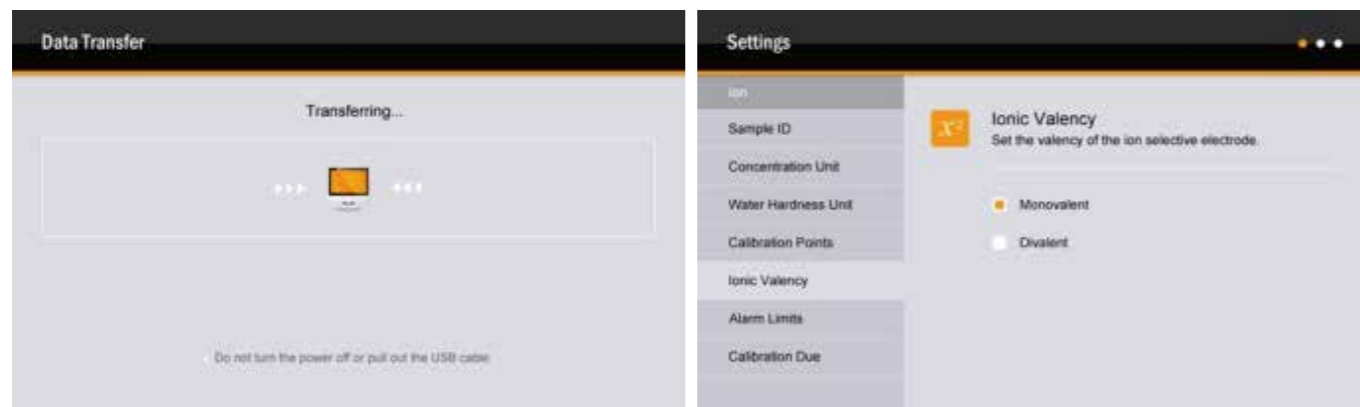
Expanded memory stores or recalls up to 1000 data sets.



- Calibration due alarm prompts user to calibrate the meter regularly.
- Calibration report shows the date, time, pH slope and offset.

Specifications

Model		BEP-M130
pH		
Range	-2.000-20.000pH	•
Resolution	0.001,0.01, selectable	•
Accuracy	±0.002pH	•
Calibration Points	1 to 5 points	•
Ph Buffer Options	USA, NIST, DIN, 5 custom buffers	•
ORP		
mV Range	±2000.0mV	•
Relative mV Range	±2000.0mV	•
Resolution	0.1mV	•
Accuracy	±0.2mV	•
Calibration Points	1 point	•
Ion		
Range	0.001~30000 (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)	•
Measurement Methods	Direct reading, known addition, known subtraction, sample addition, sample subtraction	•
Electrode Management	1 to 3 electrodes	•
Water Hardness		
Range	0.05~200mmol/L, 0~1122°dH, 0~1404°e, 0~2000°fH, 0~8000mg/L (Ca2+)	•
Resolution	0.001,0.01,0.1,1	•
Accuracy	±1% F.S.	•
Calibration Points	2to 5points 0.01,0.1,1,10,100mmol/L)	•
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	•
Solution Temperature Coefficient	25°C	•
Stability Criteria	Standard or high-accuracy	•
Calibration Due Alarm	1to 31 days or off	•
Interval Readings	10, 30, 60 seconds, 10, 30 minutes or off	•
Password Protection	4digits	•
Memory	1000 data sets	•
Communication Interface	USB	•
Connector	BNC, 3.5 mm jack socket	•
Display	7 inches TFT LCD	•
Power Requirements	DC12V power adapter	•
Dimensions	240(L)× 220 (W)× 80(H)mm	•
Weight	1.7kg	•



Portable Ion Meter

BEP-M320



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 to adjust 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 that can be selected
Direct ion concentration readout simplifies the measurement process
Automatic electrode diagnosis shows the calibration points and slopes



Measurement Parameters

- BEP-M320: pH, mV, relative mV, ion concentration, temperature

Other Features

-  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
-  Calibration due alarm prompts user to calibrate the meter regularly
Setup menu allows to set 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

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).



Specifications

Model	BEP-M320		
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	•
Ion	Range	0.001-19999(depending on the range of ISE)	•
	Resolution	0.001,0.01,0.1,1	•
	Accuracy	±0.5% FS.(monovalent),±1% FS.(divalent)	•
	Measurement Units	ppm, mg/L,mol/L, mmol/L	•
	Calibration Points	2to 5 points	•
ORP	Calibration Solutions	0.001,0.01,0.1,1,10,100,1000,10000	•
	mV Range	±1999.9mV	•
	Relative mV Range	±1999.9mV	•
	Resolution	0.1, 1mV, selectable	•
Temperature	Accuracy	±0.2mV	•
	Calibration Points	1 point	•
	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	•
	Stability Criteria	Low or high	•
	Calibration Due Alarm	1 to 31 days or off	•
	Slope/Offset Display	Yes	•
Other Specifications	Hold Function	Manual or auto-endpoint	•
	Auto-Off	10, 20 or 30 minutes after the last key is pressed	•
	Memory	500 data sets	•
	Communication Interface	USB	•
	Connector	BNC,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	170(L)×85(W)×30(H)mm	•
	Weight	300g	•

Benchtop Ion Meter

BEP-M930



Measurement Parameters

- BEP-M930: pH, mV, relative mV, ion concentration, temperature

Features



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



Automatic electrode diagnosis shows the pH slope and offset

pH



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



Relative and absolute millivolt modes ensure the reliable ORP measurements

ORP

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

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. 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.

Optional Ion Selective Electrodes

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

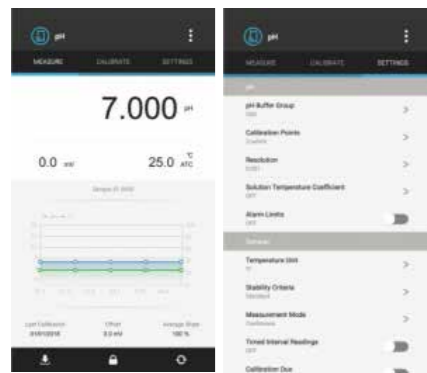


Specifications

Model	BEP-M 930	
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	•
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	•
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000	•
ORP		
mV Range	±1999.9mV	•
Relative mV Range	±1999.9mV	•
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(125x100mm)	•
Power Requirements	DC5V power adapter	•
Dimensions	210(L)× 188 (W)×60(H)mm	•
Weight	1.5kg	•

Pocket Ion Meter

ION-BT30



Description

- High-performance blue tooth water quality testers, The testers are suitable for Android smartphone or tablet.
- **ION-BT30 Ion Tester**
- 2 to 5 points calibration, including the 8 concentration points can be selected.
- Electrode management is capable of storing and recalling up to 3 electrode slopes.
- Automatic electrode diagnosis shows the calibration points and slopes
- Selectable ion measurement methods (direct reading, known addition, known subtraction, sample addition, sample subtraction) and concentration units (ppm,mg/L, mol/L or mmol/L).

Ordering Information

- ION-BT30: Tester, ion selective electrode, standard solutions (100/1000ppm), ionic strength adjuster and carrying case

General Features



- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Timed Interval Readings sends the measurement data to memory or printer.
- Limit Alarm automatically alerts when reading exceeds the specified range.
- Calibration due alarm prompts user to calibrate the tester regularly.
- Password protection prevents the unauthorized calibration and settings.
- Multiparameter measurement allows up to 3 testers connected to device and displays the measured values.
- Reset function automatically resumes all settings back to the factory defaults.

Specifications

Model	ION-BT30	
Ion	Range	0.001-30000 (depending on the range of ISE)
	Resolution	0.001,0.01,0.1
	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
	Calibration Solutions	0.001,0.01,0.1,1,10,100,1000,10000
	Temperature Compensation	0~100°C/32~212°F, manual
MV	Measurement Methods	Direct reading,known addition,known subtraction,sample addition,sample subtraction
	Electrode Management	1 to 3 electrodes
	Range	±2000.0mV
	Resolution	0.1, 1mV, selectable
	Accuracy	402mV

Matched electrode (Required option)

Model	BEP-M130	BEP-M131	BEP-M320	BEP-M321	BEP-M 930	BEP-M 931
Model	Measuring range		Electrode plug			
NH3-UK	0.01 ~ 17000 ppm		BNC			
NH4-UK	0.1~ 18000 ppm		BNC			
Br-UK	0.4 ~ 81000 ppm		BNC			
Ca-UK	0.02 ~ 40100 ppm		BNC			
Cd-UK	0.1 ~ 11200 ppm		BNC			
CL-UK	1 ~ 35000 ppm		BNC			
Cu-UK	0.06 ~ 6400 ppm		BNC			
Cn-UK	0.03 ~ 260 ppm		BNC			
F-UK	0.02 ~ 1900 ppm		BNC			
I-UK	0.06 ~ 127000 ppm		BNC			
Pb-UK	0.2 ~ 20800 ppm		BNC			
NO3-UK	0.4 ~ 62000 ppm		BNC			
K-UK	0.04 ~ 39000 ppm		BNC			
Na-UK	0.002 ~ 69000ppm		BNC			
Ag-UK	0.01 ~ 107900 ppm		BNC			
S-UK	0.003 ~ 32000 ppm		BNC			
WH-UK	0.05 ~ 200 mmol/L		BNC			

Matched electrode (Required option)

Model	ION-BT30	
Model	Measuring range	Electrode plug
NH3-UK	0.01 ~ 17000 ppm	BNC
NH4-UK	0.1~ 18000 ppm	BNC
Br-UK	0.4 ~ 81000 ppm	BNC
Ca-UK	0.02 ~ 40100 ppm	BNC
Cd-UK	0.1 ~ 11200 ppm	BNC
CL-UK	1 ~ 35000 ppm	BNC
Cu-UK	0.06 ~ 6400 ppm	BNC
Cn-UK	0.03 ~ 260 ppm	BNC
F-UK	0.02 ~ 1900 ppm	BNC
I-UK	0.06 ~ 127000 ppm	BNC
Pb-UK	0.2 ~ 20800 ppm	BNC
NO3-UK	0.4 ~ 62000 ppm	BNC
K-UK	0.04 ~ 39000 ppm	BNC
Na-UK	0.002 ~ 69000ppm	BNC
Ag-UK	0.01 ~ 107900 ppm	BNC
S-UK	0.003 ~ 32000 ppm	BNC
WH-UK	0.05 ~ 200 mmol/L	BNC