Infitek

MULTIPARAMETER METERS

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Infitek

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Benchtop Multiparameter Meter

BEP-M300A

Features

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











Description

- The BEP-M300A Benchtop Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

Features

General Features

- High resolution LCD display, 7.0 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.

pH

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

Ion

- 1-5 points calibration with polyline fitting or linear fitting..
- Selectable measurement unit, including μg/L, mg/L, g/L, mmol/L, PX, ppm, ppb,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.

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).



BEP-M300A Multi-parameter Analyzer 1 Set

E-301-QC 3 in 1 pH composite electrode 1 Piece

DJS-1VTC Conductivity electrode 1 Piece

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

Conductivity standard 1413μS/cm(50mL) 1 Bottle

REX-5 electrode stand 1 Set

European plug model(QD24-0902000-A1)Power adapter DC 9V (Positive inside and negative outside) 1 Piece

Universal USB cable 1 Piece

Dust cover (Key function version) 1 Piece

Operation quick guide 1 Piece

Instruction manual 1 Piece

Specifications

Model		BEP-M300A
Parameters		pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)
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,USA and DIN buffers
mV	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
	Resolution	0.1, 0.01 pX
	Accuracy	±0.01 pX
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Calibration Points	Up to 5
Conduc-tivity	Range	0.000 µS/cm to 1000 mS/cm
	Resolution	0.001 µS/cm minimum, various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±1.0% FS
TDS	Range	0.00ppm~300ppt
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	±1.0% FS
Salinity	Range	0-80ppt
	Resolution	0.1ppt
	Accuracy	±2ppt

Model		BEP-M300A
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 manage-ment	Data Storage	500 results each
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
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



Benchtop Multiparameter Meter

BEP-M300F



pH

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

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

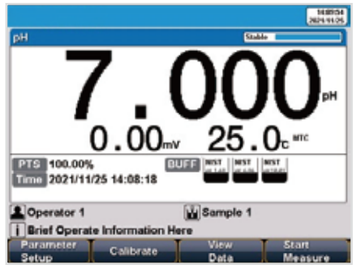
Ion

- 1-5 points calibration with polyline fitting or linear fitting.
- Selectable measurement unit, including µg/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.

DO

- Support for air-saturated water or zero oxygen calibration.
- Auto barometric pressure compensation
- Selectable pressure unit, including kPa, mbar, Torr, Atm.
- Manual Salinity Factor Correction

Features



High resolution LCD display, 7.0 inches.

Smart UI design Best user experience, highly efficient measurement



Support for USB and RS-232 communication.

Multiple external devices available

PC, printer



Automatic identification standard solution

Fast calibration and more accurate measurement

Description

The BEP-M300F Benchtop Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

General Features

- IP54 waterproof.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Data Storage500 sets (GLP-compliant).
- Reset feature automatically resumes all settings back to factory default options.
- Auto-hold feature senses and locks the measurement endpoint.

Specifications

Model		BEP-M300F
Parameters		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
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 ,USA and DIN buffers
	Slope Limit	Yes
mV	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
	Resolution	0.1, 0.01 pX
	Accuracy	±0.01 pX
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Calibration Points	Up to 5
Conductivity	Range	0.000 µS/cm to 1000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±1.0% FS
TDS	Range	0.00ppm~300ppt
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	±1.0% FS
Salinity	Range	0.0~80.0ppt
	Type	NaCl
	Resolution	0.1ppt
	Accuracy	±2ppt

Model		BEP-M300F
Dissolved Oxygen Concentration	Range	0.00 to 20.00 ppm
	Sensor Type	Polarographic
	Resolution	0.01ppm
	Accuracy	±0.10ppm
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
Saturation	Range	(0.0 to 200.0)%
	Resolution	0.1%
	Accuracy	±2.0%
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)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
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



BEP-M300F Multi-parameter Analyzer 1 Set
E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
DO-958-Q Polarographic DO electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standard 1413µS/cm(50mL) 1 Bottle
REX-5 electrode stand 1 Set
Power adapter DC 9V(European plug model, QD24-0902000-A1) 1 Piece
Universal USB cable 1 Piece
Dust cover (Key function version) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece

Benchtop Multiparameter Meter

BEP-M500A



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.

Conductivity

- 1-5 points calibration with Standard Recognition.
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

Ion

- 1-6 points calibration
- Selectable measurement unit, including μg/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 touch-screen, 7.0 inches.



Support for USB and RS-232 communication.Multiple external devices available

PC, printer



Automatic identification standard solution

Fast calibration and more accurate measurement

Description

The BEP-M500A Benchtop Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

General Features

IP54 waterproof.

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

Automatic/Manual temperature compensation ensures accurate results.

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

Data Storage1000 sets for each parameter (GLP-compliant).

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

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

Specifications

Model		BEP-M500A
Parameters		pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)
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/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, ppm
	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 6
Conductivity	Range	0.000 µS/cm to 2000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.000~1000ppt
	Resolution	0.001ppm minimum, changed with range
	Accuracy	±0.5%

Model		BEP-M500A
Salinity	Type	NaCl
	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	±1ppt
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)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-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



BEP-M500A Multi-parameter Analyzer 1 Set
E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle
Conductivity standard 1413µS/cm(50mL) 1 Bottle
REX-6 electrode stand 1 Set
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

Benchtop Multiparameter Meter

BEP-M500T

Features

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











Description

- The BEP-M500T Benchtop Multi-parameter Analyzer a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

Features

General Features

- Color High contrast LCD touchscreen, 7.0 inches.
- Intelligent operation system provides features including user management, calibration management, ethod 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.

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 µg/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.

Conductivity

- 1-5 points calibration with Standard Recognition.
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

DO

- Support for air-saturated water or zero oxygen calibration.
- Auto barometric pressure compensation.
- Manual Salinity Factor Correction.
- Selectable pressure unit, including kPa, mbar, Torr, Atm.

Specifications

Model		BEP-M500T
Parameters		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
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/ORP	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.1 mV or ±0.03% ofreading 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, ppm
	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 6
Conduc-tivity	Range	0.000 µS/cm to 2000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10 µS/cm, 84 µS/cm, 500 µS/cm, 1413 µS/cm, 12.88 mS/cm
Resistivity	Range	5.00 Ω·cm~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.000~1000 ppt
	Resolution	0.001 ppm minimum, changed with range
	Accuracy	±0.5%FS
Salinity	Type	NaCl
	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	±1ppt

Model		BEP-M500T
Dissolved Oxygen Concentra-tion - Polaro-graphic	Range	0.00 to 99.99 ppm
	Resolution	0.01 ppm
	Accuracy	±0.10ppm, 0.00~50.00ppm ±0.50ppm, 50.0~99.99ppm
	Calibration Reminder	Yes
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
% Saturation -Polaro-graphic	Range	(0.0 to 600)%
	Resolution	0.10%
	Accuracy	±2.0%
Tempera-ture	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.1
Measure-ment	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data manage-ment	Data Storage	1000 Groups
	GLP Features	Yes
	Log Management	Yes
Inputs	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-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



BEP-M500T Multi-parameter Analyzer 1 Set
E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
DO-958-Q Polarographic DO electrode 1 Bottle
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standard 1413µS/cm(50mL) 1 Bottle
REX-6 electrode stand 1 Set
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

Benchtop Multiparameter Meter

BEP-M900



Measurement Parameters

BEP-M900:
pH, mV, relative mV, ion concentration, conductivity, TDS, salinity, resistivity, DO, temperature.

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

Direction 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

Automatic temperature compensation ensures accurate readings over the entire range

Calibration due alarm prompts the 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

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

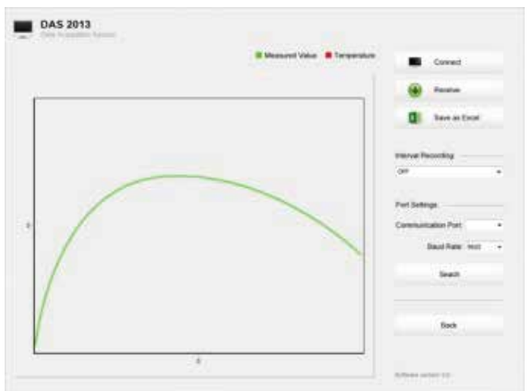


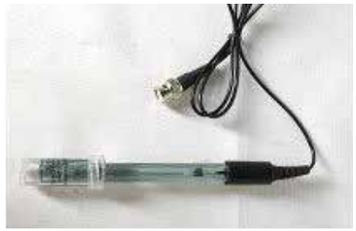
Dissolved Oxygen:

1 or 2 points calibration using the air-saturated water or zero oxygen solution



Salinity and barometric pressure compensations eliminate the measurement error









Ordering Information

BEP-M900:
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.







Specifications

Model		BEP-M900
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	●
Temperature Coefficient	Linear (0.0~10.0%/°C), pure water	●
Reference Temperature	20/25°c	●
Cell Constant	K=0.1, 1, 10 or custom	●

Specifications

Model		BEP-M900
TDS		
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)	●
Salinity		
Range	0.00~42.00psu, 0.00~80.00ppt	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
Resistivity		
Range	0.00~20.00MΩ	●
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, ±2.0%	●
Calibration Points	1or 2 points	●
Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual	●
Salinity Correction	0.0~50.0g/L, manual	●
General Spec.		
Temperature Compensation	0~100°C/32~212°F, manual or automatic	●
Memory	500 data sets, USB communication interface	●
Power Requirements	DC5V power adapter	●
Dimensions and Weight	210(L)×188(W)x60(H)mm,1.5kg	●

Portable Multiparameter Meter

BEP-M51X



- VA display screen for clearer visualization
- Lightweight, handheld design with simple button controls
- 5-minute auto-power-off function to extend battery life
- 5-in-1 Multifunctional Design—TDS, pH, EC, Salinity, Temperature

Applications

It is suitable for household tap water, outdoor water sources, aquariums, swimming pools, aquaculture, laboratory testing, laundry detergent residue, and water purifier filter replacement.

Features

Industrial-grade sensor solution ensures accurate readings with minimal error.

Hard cardboard box packaging with plastic tray for enhanced product protection.

5-minute auto-power-off function to extend battery life.

VA display screen for clearer visualization.

Acrylic screen panel for effective screen protection.

Specification

Model	BEP-M51X
TDS Range	Range:0~9999ppm/10-200ppt(The effective range is 1-100ppt)
	Resolution:1ppm, 0.1ppt
	Accuracy:+2%F.S
pH Range	Range:0-14.00pH，Resulution:0.01pH，Accuracy:0.05pH
EC Range	Range:0~9990µS/cm/10-400mS/cm(The effective range is 1-200ms/cm)
	Resolution:1µS/cm, 0.1mS/cm
	Accuracy: ±2%F.S
Salinity Range	Range:0~9999ppm/10-200ppt
	Resolution: 1ppm, 0.1ppt
	Accuracy:±2%F.S
Salinity %	Range: 0.01%-25%
	Resolution: 0.01%
	Accuracy: ±2%F.S
Temperature Range	Range: 0-60℃/32-140℉
	Resolution: 0.1℃/0.1℉
	Accuracy:±0.5℃
Battery Type	LR44
Battery Quantity	4pcs.
Operating Voltage	6V
Operating Current	12mA
Operating Environment	0°C-60°C
IP Rating	IP65
Shell Material	ABS
External Dimensions	185*40*40mm
Package Dimensions	216.5*65*43.5mm
N.W./G.W.	110g/180g
Quantity per Carton	70pcs.
Carton Gross Weight	12kg

Portable Multiparameter Meter

BEP-M71X



- VA display screen for clearer visualization
- Lightweight, handheld design with simple button controls
- 5-minute auto-power-off function to extend battery life
- 7-in-1 Multifunctional Design—TDS, pH, EC, Salinity, S.G, ORP, Temperature

Applications

It is suitable for household tap water, outdoor water sources, aquariums, swimming pools, aquaculture, laboratory testing, laundry detergent residue, and water purifier filter replacement.

Features

- Industrial-grade sensor solution ensures accurate readings with minimal error.
- Hard cardboard box packaging with plastic tray for enhanced product protection.
- 5-minute auto-power-off function to extend battery life.
- VA display screen for clearer visualization.
- Acrylic screen panel for effective screen protection.

Specification

Model	BEP-M71X
TDS Range	Range:0~9999ppm/10-200ppt(The effective range is 1-100ppt)
	Resolution:1ppm, 0.1ppt
	Accuracy:+2%F.S
pH Range	Range:0-14.00pH，Resulution:0.01pH，Accuracy:0.05pH
EC Range	Range:0~9990µS/cm/10-400mS/cm(The effective range is 1-200ms/cm)
	Resolution:1µS/cm, 0.1mS/cm
	Accuracy: ±2%F.S
Salinity Range	Range:0~9999ppm/10-200ppt
	Resolution: 1ppm, 0.1ppt
	Accuracy:±2%F.S
Salinity %	Range: 0.01%-25%
	Resolution: 0.01%
	Accuracy: ±2%F.S
S.G Range	0-1.222
ORP Range	Range: ±990mV
	Resolution: 1mV
	Accuracy: ±2mV
Temperature Range	Range: 0-60℃/32-140℉
	Resolution: 0.1℃/0.1℉,
	Accuracy:±0.5℃
Battery Type	LR44
Battery Quantity	4pcs.
Operating Voltage	6V
Operating Current	12mA
Operating Environment	0°C-60°C
IP Rating	IP65
Shell Material	ABS
External Dimensions	185*40*40mm
Package Dimensions	216.5*65*43.5mm
N.W./G.W.	110g/180g
Quantity per Carton	70pcs.
Carton Gross Weight	12kg

Portable Multiparameter Meter

BEP-M310A



pH

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

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
- Temperature compensation type (none, linear, pure water).

Ion

- 1-5 points calibration.
- Selectable measurement unit, including µg/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.Multiple external devices available

PC, printer



Tilting stand

Support better reading and operation



Wristbands Safety hold

Description

The BEP-M310A Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

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.

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-M310A
Parameters		pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)
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, USA and DIN buffers
	Slope Limit	Yes
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1
	Accuracy	±0.3 mV or ±0.1%
pX	Range	-2.00 to 20.00
	Resolution	0.1, 0.01 pX
	Accuracy	±0.01 pX
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, μg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Calibration Points	Up to 5
Conductivity	Range	0.000 μS/cm to 500 mS/cm
	Resolution	0.001 μS/cm minimum,various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84μS/cm, 1413μS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±1.0% FS
TDS	Range	0.00 ppm~300 ppt
	Resolution	0.01ppm minimum, various with range selection
	Accuracy	±1.0%FS
Salinity	Range	0.0~80.0 ppt
	Resolution	0.1ppt
	Accuracy	±2ppt

Model		BEP-M310A
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Relative 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)
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC, printer
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	W80×D255×H35 mm
	Package Dimension (W*D*H)(mm)	W360×D300×H180
	N.W./G.W.(kg)	0.4kg/2.8kg

BEP-M310A Multi-parameter Analyzer 1 Set
MicroUSB to DB25 printing cable 1 Piece
Silicone rubber case (Installed on the host) 1 Piece
Wristband assembly(Small) 1 Piece
Carrying case(Large) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece



E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1P iece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standards 1413μS/cm(50mL) 1 Bottle
Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
Electrode holder 2 Pieces
MicroUSB cable 1 Piece



Portable Multiparameter Meter

BEP-M310F







The BEP-M310F Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

Features

- LCD display screen, 3.5 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 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.

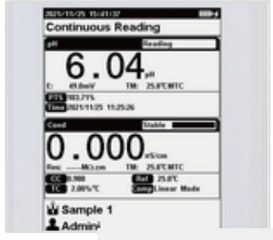
Features

◆ **pH**
1-5 points calibration with Standard Recognition.
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 µg/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.

◆ **Conductivity**
1-3 points calibration with Standard Recognition.
Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
Temperature compensation type (none, linear, pure water).

◆ **DO**
Support for air-saturated water or zero oxygen calibration.
Auto barometric pressure compensation
Manual Salinity Factor Correction
Selectable pressure unit, including kPa, mbar, Torr, Atm.









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

Specifications

Model		BEP-M310F
Parameters		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
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, USA and DIN buffers
	Slope Limit	Yes
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1
	Accuracy	±0.3 mV or ±0.1%
pX	Range	-2.00 to 20.00
	Resolution	0.1, 0.01 pX
	Accuracy	±0.01 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
Conductivity	Range	0.000 µS/cm to 500 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±1.0% FS
TDS	Range	0.00 ppm~300 ppt
	Resolution	0.01ppm minimum, various with range selection
	Accuracy	±1.0%FS

BEP-M310F Multi-parameter Analyzer 1 Set
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(Large) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece

E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
DO-958-Q Polarographic DO electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standards 1413µS/cm(50mL) 1 Bottle
Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece

Specifications

Model		BEP-M310F
Salinity	Range	0.0~80.0 ppt
	Resolution	0.1ppt
	Accuracy	±2ppt
Dissolved Oxygen Concentration	Range	0.00 to 50.00ppm
	Resolution	0.01ppm
	Accuracy	±0.1ppm
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
Saturation	Range	(0.0 to 300.0)%
	Resolution	0.1%
	Accuracy	±2.0%
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Relative 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)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC, printer
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	80×255×35 mm
	Weight	400g





Portable Multiparameter Meter

BEP-M310T







The BEP-M310T Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

Features

- 1.LCD display screen,4.3 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 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.
- IP67 waterproof.

Features

- **pH**
  1-5 points calibration with Standard Recognition.
  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 µg/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.

- **Conductivity**
  1-3 points calibration with Standard Recognition.
  Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
  Temperature compensation type (none, linear, pure water).

- **DO**
  Support for air-saturated water or zero oxygen calibration.
  Auto barometric pressure compensation
  Manual Salinity Factor Correction
  Selectable pressure unit, including kPa, mbar, Torr, Atm.









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

Specifications

Model		BEP-M310T
Parameters		pH/EC/ISE/DO/Temp. (mV/pX/Resistivity/TDS/Sal./DO Saturation)
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
	Calibration Reminder	Yes
	Standard Recognition	NIST, GB,USA and DIN buffers
	Slope Limit	Yes
mV	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	±0.01 pX(±0.01 pX)
	Calibration Points	Up to 5
ISE	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Calibration Points	Up to 5
Conductivity	Range	0.000 µS/cm to 1000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω ·cm~20.00 MΩ ·cm
	Resolution	0.01Ω ·cm minimum,
	Accuracy	±1.0% FS
TDS	Range	0.00ppm~300ppt
	Resolution	0.001ppm minimum,changed with range
	Accuracy	±1.0%

Model		BEP-M310T
Salinity	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	±2ppt
Dissolved Oxygen Concentration	Sensor Type	Polarographic
	Range	0.00 to 50.00 ppm
	Resolution	0.01ppm
	Accuracy	±0.1ppm
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
Saturation	Range	(0.0 to 300.0)%
	Resolution	0.10%
	Accuracy	±2.0%
Temperature	Range	-5 to 110 °C, 23.0 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Relative 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	1000 Groups
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC, printer
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600sec., off
	IP Rating	IP67
	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-M310T Multi-parameter Analyzer 1 Set

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(Large) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece

E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
DO-958-Q Polarographic DO electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standards 1413µS/cm(50mL) 1 Bottle
Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
Electrode holder 2 Pieces





Portable Multiparameter Meter

BEP-M510A



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.

Conductivity

- 1-5 points calibration automatically recognizes the standard solutions.
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

Ion

- 1-8 points calibration.
- Selectable measurement unit, including μg/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 communi-cation.Multiple external devices available

PC, printer



Tilting stand

Support better reading and operation



Wristbands Safety hold

Description

The BEP-M510A Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

General Features

IP67 waterproof.

Intelligent operation system provides features including user management, calibration manage-ment, electrode management, method manage-ment, data management, Log Managementand etc.

Data Storage1000 sets for each parameter (GLP-compliant).

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

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 measure-ment endpoint.

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

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

Specifications

Model		BEP-M510A
Parameters		pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)
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)
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
Conductivity	Range	0.000 µS/cm to 3000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.000ppm~1000ppt
	Resolution	0.001ppm minimum, changed with range
	Accuracy	±0.5%FS

Model		BEP-M510A
Salinity	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	±1ppt
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)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
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	IP67
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90×255×40 mm
	Package Dimension (W*D*H)	360×300×180mm
	G.W./N.W.	2.6kg/0.5kg

BEP-M510A Multi-parameter Analyzer 1 Set

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(Large) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece

E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standard 1413µS/cm(50mL) 1 Bottle
Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
Electrode holder 2 Pieces
MicroUSB cable 1 Piece





Portable Multiparameter Meter

BEP-M510T







The BEP-M510T Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

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.
- 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.
- IP67 waterproof.

Features

- **pH**
  1-8 points calibration with Standard Recognition.
  Selectable pH buffer groups, including USA, NIST, DIN, GB, MERK, JIS, GOST.
  User-defined pH buffer or buffer group is supported.
  Automatic electrode diagnosis with pH slope and offset display.

- **Ion**
  1-8 points calibration.
  Selectable measurement unit, including µg/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.

- **Conductivity**
  1-5 points calibration automatically recognizes the standard solutions.
  Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
  Temperature compensation type (none, linear, pure water).

- **DO**
  Support for air-saturated water or zero oxygen calibration.
  Auto barometric pressure compensation
  Manual Salinity Factor Correction
  Selectable pressure unit, including kPa, mbar, Torr, Atm.









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

Specifications

Model		BEP-M510T
Parameters		pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/Sal./DO Saturation)
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, DIN and GOST 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)
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
Conductivity	Range	0.000 µS/cm to 3000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.000ppm~1000ppt
	Resolution	0.001ppm minimum, changed with range
	Accuracy	±0.5%FS

BEP-M510T Multi-parameter Analyzer 1 Set
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(Large) 1 Piece
Operation quick guide 1 Piece
Instruction manual 1 Piece
E-301-QC 3 in 1 pH composite electrode 1 Piece
DJS-1VTC Conductivity electrode 1 Piece
DO-958-Q Polarographic DO electrode 1 Piece
Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
Conductivity standard 1413µS/cm(50mL) 1 Bottle
Power adapter DC 5V 2A(European plug model, GAT-0502000) 1 Piece
Electrode holder 2 Pieces

Model		BEP-M510T
Salinity	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	±1ppt
Dissolved Oxygen Concentration	Sensor Type	Polarographic
	Range	0.00 to 99.99 ppm
	Resolution	0.01ppm
	Accuracy	±0.1ppm (0.00 to 50.00 ppm);±0.5ppm（50.00 to 99.99 ppm)
	Calibration Reminder	Yes
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
Saturation	Range	(0.0 to 600.0)%
	Resolution	0.10%
	Accuracy	±2.0%
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)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
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	IP67
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90×255×40 mm
	Weight	500g





Portable Multiparameter Meter

BEP-M900P



Measurement Parameters

BEP-M900P: pH, mV, relative mV, ion concentration, conductivity, TDS,salinity, resistivity, DO, temperature.

General Features

Calibration due alarm prompts user to calibrate the meter regularly

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

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

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

Features

pH:

Multi parameter 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



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

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



Specifications

Model		BEP-M900P
pH		
Range	-2.000-20.000pH	●
Resolution	0001,0.01,0.1pH, selectable	●
Accuracy	0.002pH	●
Calibration Points	1 to 5 points	●
pHBuffer 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 Paints	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	0001,0.01,0.1,1	●
Accuracy	±0.5% F.S.	●
Calibration Paints	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	●
Reference Temperature	20/25°C	●
Cell Constant	K=0.1, 1, 10 or custom	●

Specifications

Model		BEP-M900P
TDS		
Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	●
Resolution	001,0.1,1	●
Accuracy	±1% F.S.	●
TDS Factor	0.1~1.0 (default 0.5)	●
Salinity		
Range	0.00~42.00psu, 0.00~80.00ppt	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
Resistivity		
Range	0.00~20.00MΩ	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
DO		
Range	0.00~20.00mg/L, 0.0~200.0% saturation	●
Resolution	001mg/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	●
General Spec.		
Temperature Compen-sation	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	●
Dimensions and Weight	W*D*H170× 85 ×30mm, 300g	●
Package Dimension (W*D*H)(mm)	W*D*H440*320*120mm	●
G.W.(kg)	2.2kg	●