

## MULTIPARAMETER METERS



Infitek



Infitek



Infitek



Infitek



Infitek

## Infitek

### 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 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, 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.

#### 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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{PX}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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-IVTC Conductivity electrode 1 Piece
- Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01) 1 Bottle each
- Conductivity standard  $1413\mu\text{S/cm}$ (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 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
	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
Resistivity	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
	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
Measurement	Accuracy	±0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data manage- ment	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
Outputs	Conductivity with Temp. Probe	5-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 Multiparameter Meter

**BEP-M300F**



## 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.

## 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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{PX}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  and etc., user-defined method is supported.

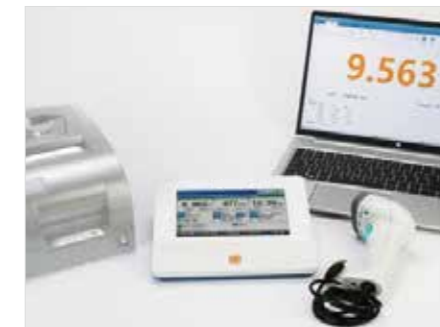
## DO

- ◆ 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, 5.7 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 Storage 500 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 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
	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
	Resolution	0.1ppt
	Accuracy	±2ppt

Model		BEP-M300F
Dissolved Oxygen Concentration	Range	0.00 to 20.00 ppm
	Resolution	0.01ppm
	Accuracy	±0.10ppm
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
Saturation	Manual Salinity Factor Correction	Yes
	Range	(0.0 to 200.0)%
Temperature	Resolution	0.1%
	Accuracy	±2.0%
	Range	-5 to 110 °C, 23 to 230 °F
Measurement	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
Outputs	Conductivity with Temp. Probe	5-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
	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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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 Storage 1000 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-IVTC 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, 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.

#### 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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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% 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
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
Resistivity	Standard Recognition	10 µS/cm, 84 µS/cm, 500 µS/cm, 1413 µS/cm, 12.88 mS/cm
	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	Range	0.00 to 99.99 ppm
Concentra-tion - Polarographic	Resolution	0.01 ppm
	Accuracy	±0.10ppm, 0.00~50.00ppm ±0.50ppm, 50.0~99.99ppm
	Calibration Reminder	Yes
Polarographic	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
% Saturation -Polarographic	Range	(0.0 to 600)%
	Resolution	0.10%
Temperature	Accuracy	±2.0%
	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
Measurement	Resolution	0.1
	Accuracy	±0.1
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
Inputs	GLP Features	Yes
	Log Management	Yes
	pH Electrode	BNC(Q9)
Outputs	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
Display options	USB	USB 2.0 flash memory device, PC
	RS 232	printer, scanner, auto-sampler
	Backlight	Yes
General	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
Electricity	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-IVTC 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-M600L



**Large color touch screen**  
Simple Operation, Comfortable Experience



**Modular design**  
Four channels, flexible configuration



## Description

- The BEP-M600L 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.

### pX module

- It shows the mV, pH, pX, ORP and ion concentration.
- Selectable measurement unit, including  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  and etc, user-defined method is supported.
- NIST, USA, MERK GB, DIN, or JIS pH buffers standard recognition.
- 1 point ORP calibration.
- NIST, USA, MERK GB, DIN, or JIS pH buffers standard recognition.
- Data storage of 1000 sets of pH/ORP/Ion measurement results, 100 sets of calibration data.

### 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.

### EC module

- It shows conductivity, Resistivity, TDS, Salinity and Ash.
- 1-5 points calibration with GB and International standard recognition.
- Temperature compensation type (none, linear, pure water).
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Data storage of 1000 sets of EC/Resistivity/TDS/Salinity/Ash measurement results, 100 sets of calibration data, and 1000 sets of EC 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.

### 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.

### Professional - Moldable, Multi-channel

- Modular four Channel: Four measurements channels can be configured in any combination of the modules.
- Support for 6 modules: pH module, pX module, EC-T module, EC-F module, DO-F module, DO-P module.
- The multi-channel allows measurements of 1, 2, 3, or 4 parameters simultaneously, either in the same or in different samples.
- According to the module, the parameters can be pH, mV, EC, Resistivity, TDS, Sal., ISE, pX, DO, DO Saturation and Temp.

### DO module

- 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.
- Data storage of 1000 sets of DO/Saturation measurement results, 100 sets of calibration data, and 1000 sets of Zero DO and Full DO verification data.

## Specifications

Model		BEP-M600L
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, USA, MERK, GB, DIN, JIS
	Slope Limit	Yes
mV/ORP	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.03% FS
	EH ORP Mode	Yes
	ORP Calibration Points	1-2 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	1.000E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 6
Conduc-tivity	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
	Standard Recognition	146.5µS/cm, 1408µS/cm, 12.85mS/cm, 111.3mS/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 mg/L~1000 g/L
	Resolution	0.001ppm minimum, changed with range
	Accuracy	±0.5%FS
Salinity	Type	NaCl%
	Range	(0.00~8.00)%
	Resolution	0.01%
	Accuracy	±0.1%

Model		BEP-M600L
Dissolved	Range	0.00 to 99.99 mg/L
Oxygen Concentration - Polarographic	Resolution	0.01 mg/L
	Accuracy	±0.1 mg/L
	Calibration Reminder	Yes
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
	Manual Salinity Factor Correction	Yes
	% Saturation -Polarographic	Range
Temperature	Resolution	0.10%
	Accuracy	±2.0%
	Range	(-10.0~135.0)°C/(14.0~275.0)°F
Measurement	Resolution	0.1°C/0.1°F
	Accuracy	±0.3°C (0.0°C ~60.0°C ); ±1.0 °C (Other Range)
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
Inputs	GLP Features	Yes
	Log Management	Yes
	pH Electrode	BNC(Q9), Four-pin aviation
Outputs	DO with Temp. Probe	Six-pin aviation
	Conductivity with Temp. Probe	Five-pin aviation
	USB	USB 2.0 flash memory device, printer, PC
Display options	RS 232	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	280×280×130 mm
	Weight	2500g

Description	Quantity	Description	Quantity
BEP-M600L Multi-parameter Analyzer	1 Set	Standard pH Buffer Solution (50mL) (pH4.01, 7.00, 10.01)	1 pc
pX module	1 pc	Conductivity standard 1413µS/cm(50mL)	1 pc
EC module	1 pc	Power adapter	1 pc
DO module	1 pc	USB communication cable	1 pc
RES module	1 pc	USB extension cable (A female to A male)	1 pc
REX-6 Electrode stand	1 pc	Touch pen	1 pc
E-301-QC 3 in 1 pH	1 pc	Operation guide	1 pc
composite electrode	1 pc	Instruction manual	1 pc
DJS-1VTC conductivity electrode	1 Set		
DO-958-Q Polarographic DO electrode	1 pc		

# 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

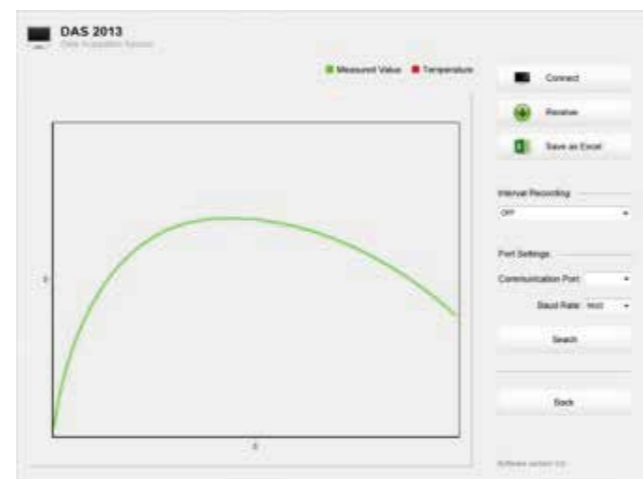
Automatic electrode diagnosis shows the calibration points and factors



**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
<b>pH</b>		
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	●
<b>ORP</b>		
Range	±1999.9mV	●
Resolution	0.1, 1mV, selectable	●
Accuracy	±0.2mV	●
Calibration Points	1 point	●
<b>Ion</b>		
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)	●
<b>Conductivity</b>		
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
<b>TDS</b>		
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)	●
<b>Salinity</b>		
Range	0.00~42.00psu, 0.00~80.00ppt	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
<b>Resistivity</b>		
Range	0.00~20.00MΩ	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
<b>DO</b>		
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	●
<b>General Spec.</b>		
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)×60(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	0~9999ppm/10~200ppt
pH Range	0-14.00pH
EC Range	0~9990µS/cm/10~400ms/cm
Salinity Range	0~9999ppm/10~200ppt
Temperature Range	0-60 °C /32-140 °F
Resolution	1ppm/0.01pH/1µS/cm/1ppm
Accuracy	0~999ppm (±2%);1000~9990ppm (±4%)
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	58pcs.
Carton Gross Weight	10.3kg

# 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	0~9999ppm/10~200ppt
pH Range	0-14.00pH
EC Range	0~9990μS/cm/10~400mS/cm
Salinity Range	0~9999ppm/10~200ppt
S.G Range	0-1.222
ORP Range	±990mV
Temperature Range	0-60 °C /32-140 °F
Resolution	1 ppm/ 0.01pH/ 1μS/cm/ 1ppm/ 1mV
Accuracy	0~999ppm (±2%); 1000~9990ppm (±4%)
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	58pcs.
Carton Gross Weight	10.3kg

# Portable Multiparameter Meter

BEP-M310A



## 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.

## 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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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 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%
Conductivity	Calibration Points	Up to 5
	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
Resistivity	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
	Range	5.00 Ω-cm~20.00 MΩ-cm
	Resolution	0.01 Ω-cm minimum
	Accuracy	±1.0% FS
	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
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



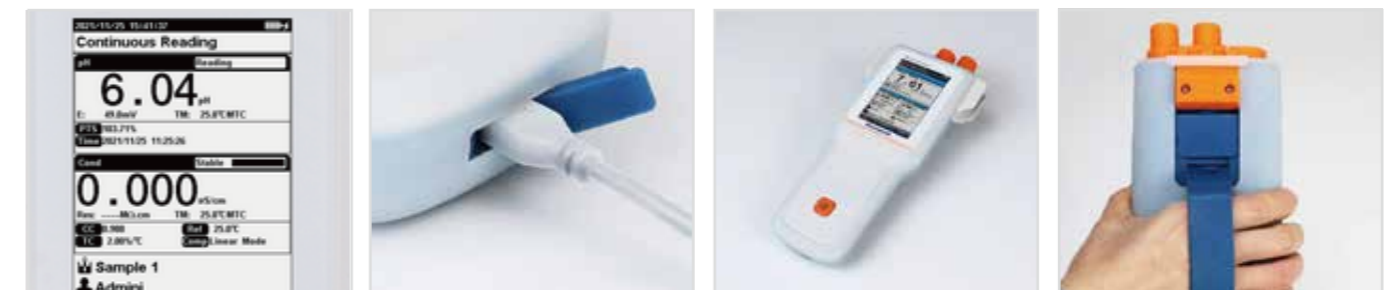
The BEP-M310F Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.

### 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.  
Automatic electrode diagnosis with pH slope and offset display.
- ◆ **Ion**  
1-5 points calibration.  
Selectable measurement unit, including  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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 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
Temperature	Resolution	0.1%
	Accuracy	±10.0%
	Range	-5 to 110 °C, 23 to 230 °F
Measurement	Unit	°C, °F
	Resolution	0.1
	Relative Accuracy	±0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
Outputs	Conductivity with Temp. Probe	5-pin aviation connector
	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



## 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  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  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.

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.
- IP65 waterproof.



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 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
	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	0.01mg/L minimum, 3 significant digits
	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	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-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

- ◆ 1-6 points calibration.
- ◆ Selectable measurement unit, including  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$ , 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  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  and etc., user-defined method is supported.

## Features



Color High contrast LCD touchscreen, 4.3 inches.



Support for USB communication. 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



IP65 waterproof.



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



Data Storage 1000 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 measurement 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
pX	ORP Calibration Points	1 custom point (relative mV)
	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	±0.002 pX
ISE	Calibration Points	Up to 6
	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L
	Resolution	Up to 4 significant digits
Conductivity	Accuracy	±0.3%
	Calibration Points	Up to 8
	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
Resistivity	Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm
	Range	5.00 Ω·cm~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
TDS	Accuracy	±0.5% FS
	Range	0.000ppm~1000ppt
	Resolution	0.001ppm minimum, changed with range

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
	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
	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-IVTC 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



## Features

- 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 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<sub>3</sub>-, BF<sub>4</sub>-, NH<sub>4</sub>+, K+, Na+, Ca<sup>2+</sup>, Cu<sup>2+</sup>, Pb<sup>2+</sup>, 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.

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.
- IP65 waterproof.



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 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
pX	ORP Calibration Points	1 custom point (relative mV)
	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	±0.002 pX
ISE	Calibration Points	Up to 6
	Range	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L
	Resolution	Up to 4 significant digits
Conductivity	Accuracy	±0.3%
	Calibration Points	Up to 8
	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
Resistivity	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10µS/cm, 84µS/cm, 500µS/cm, 1413µS/cm, 12.88mS/cm
	Range	5.00 Ω·cm~100.00 MΩ·cm
TDS	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
	Range	0.000ppm~1000ppt
TDS	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	±10.0%
Temperature	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Relative 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	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
Outputs	Conductivity with Temp. Probe	5-pin aviation connector
	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



# 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
<b>pH</b>		
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	●
<b>ORP</b>		
Range	±1999.9mV	●
Resolution	0.1, 1mV, selectable	●
Accuracy	±0.2mV	●
Calibration Points	1 point	●
<b>Ion</b>		
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)	●
<b>Conductivity</b>		
Range	0.01-20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm	●
Resolution	0001,0.01,0.1	●
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-M900P
<b>TDS</b>		
Range	0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt	●
Resolution	001,0.1	●
Accuracy	±1% F.S.	●
TDS Factor	0.1-1.0 (default 0.5)	●
<b>Salinity</b>		
Range	0.00-42.00psu, 0.00-80.00ppt	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
<b>Resistivity</b>		
Range	0.00-20.00MΩ	●
Resolution	0.01	●
Accuracy	±1% F.S.	●
<b>DO</b>		
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	●
<b>General Spec.</b>		
Temperature Compensation	0-100°C/32-212°F, manual or automatic	●
Memory	500 data sets, USB communication interface	●
Power Requirements	3× 1.5V AA batteries or DC5V power adapter	●
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	●