

CONDUCTIVITY METERS



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VERSION.26

Benchtop Conductivity Meter

BEP-12DW



Classical bench top conductivity meter, 1 to 3 points calibration, setup menu contains 6 options. The meter is suitable for daily testing and controls, accuracy: 1% F.S.



Advantages

- ◆ Classical bench top conductivity meter is equipped with a backlit LCD display.
- ◆ 1 to 3 points calibration with automatic recognition for conductivity standards.
- ◆ Automatic temperature compensation corrects conductivity measurement to reference temperature.
- ◆ Auto-Read function senses and locks the measurement endpoint.
- ◆ Setup menu allows to set the number of calibration points, cell constant, temperature coefficient, auto-power off, etc.
- ◆ Reset function automatically resumes all settings back to the factory defaults.

Applications

- ◆ Water and wastewater treatment
- ◆ Research and educations
- ◆ Chemical industry and other laboratory applications

Specifications

Conductivity	
Range	0.01 to 20.00, 200.0, 2000 μ S/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1
Accuracy	\pm 1% F.S.
Calibration Points	1 to 3 points
Calibration Solutions	10 μ S, 84 μ S, 1413 μ S, 12.88mS, 111.8mS

Temperature	
Range	0 to 105°C/32 to 221°F
Resolution	0.1°C/0.1°F
Accuracy	\pm 1°C/ \pm 1.8°F
Offset Calibration	1 point
Calibration Range	Reading \pm 10°C

General Specifications	
Temperature Compensation	0 to 100°C/32 to 212°F, manual or automatic
Temperature Coefficient	Linear (0.0 to 10.0%/°C)
Reference Temperature	25°C
Cell Constant	K=0.1, 1, 10 or custom
Hold Function	Manual or auto-endpoint
Connector	6-pin mini-DIN, 3.5mm jack socket
Display	Custom LCD (120×60mm)
Power	DC9V, using AC adapter, 220V/50Hz
Dimensions	210(L)×205(W)×75(H)mm
Weight	1.5kg

Benchtop Conductivity Meter

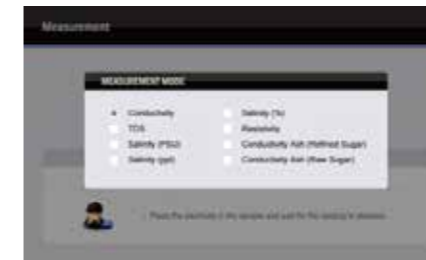
BEP-M150



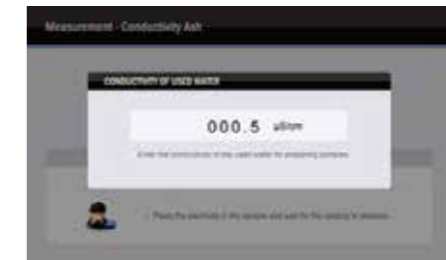
Measurement Parameters

BEP-M150: Conductivity, TDS, salinity, resistivity, conductivity ash, temperature.

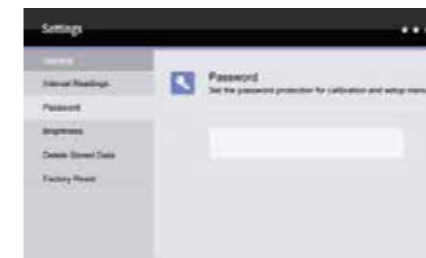
Features



Selectable reference temperature, TDS conversion factor, linear/non-linear/pure water compensations, seawater and practical salinity measurement modes.



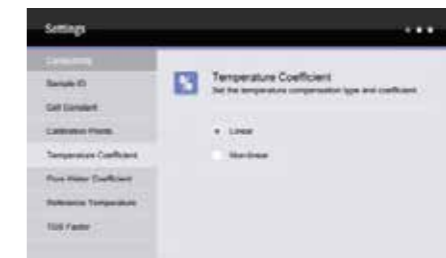
1 to 3 points calibration with automatic recognition for conductivity standards.



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

Password protection prevents the unauthorized calibration and settings.

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

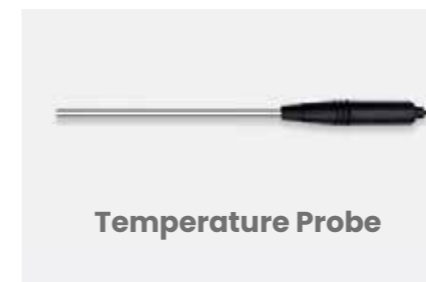


Automatic temperature compensation ensures accurate readings over the entire range.

Auto-Read function senses and locks the measurement endpoint.

ALARM

- Limit Alarm automatically alerts when reading exceeds the specified range
- Calibration due alarm prompts user to calibrate the meter regularly
- Calibration report provides the detailed information for checking the meter and sensor



Selectable cell constant for matching the connected conductivity electrode or recalling the calibration factor .

Expanded memory stores or recalls up to 1000 data sets .



Optional Conductivity Electrodes

CON-0.1:
Suitable for measuring the low conductivity liquids (< 10µS/cm).

CON-1:
Suitable for general purpose applications.

CON-10:
Suitable for measuring the high conductivity liquids (> 20mS/cm).



Ordering Information

BEP-M150-S:
Meter, CON-1 conductivity electrode, temperature probe, conductivity standard solutions, electrode holder and power adapter.

BEP-M150-DL:
Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, conductivity standard solutions, electrode holder, power adapter.

BEP-M150-DH:
Meter, CON-1 and CON-10 conductivity electrodes, temperature probe, conductivity standard solutions, electrode holder, power adapter.

Specifications

Model		BEP-M150
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 3 points
	Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Range	0~10.00, 100.0, 1000mg/L, 10.00, 200.0g/L
	Resolution	0.01, 0.1, 1
	Accuracy	±1% F.S.
	TDS Factor	0.1-1.0(default 0.5)
Salinity	Range	0.00~80.00ppt, 0.00~42.00psu, 0.00~8.00%
	Resolution	0.01,0.1,1
	Accuracy	±1% F.S.
Resistivity	Range	0.00~30.00MΩ
	Resolution	0.01,0.1,1
	Accuracy	±1% F.S.
Conductivity Ash	Range	0-100%
	Resolution	0.01,0.1,1
	Accuracy	±1%F.S.
	Measurement Modes	Refined sugar or raw sugar
Temperature	Range	0-105°C/32-221°F
	Resolution	0.1°C/0.1°F
	Accuracy	±0.5°C/±0.9°F
	Offset Calibration	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0~100°C manual or automatic
	Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water
	Reference Temperature	20/25°C
	Cell Constant	2-pole electrodes (K=0.1, 1, 10) or 4-pole electrode
	Stability Criteria	Standard or high-accuracy
	Calibration Due Alarm	1 to 31 days or off
	Interval Readings	10, 30, 60 seconds, 10, 30 minutes or off
	Password Protection	4 digits
	Memory	1000 data sets
	Communication Interface	USB
Connector	6-pin mini-DIN,3.5mm jack socket	
Display	7 inches TFTLCD	
Power Requirements	DC 12V power adapter	
Dimensions	240(L)×220(W)×80(H)mm	
Weight	1.7kg	

Benchtop Conductivity Meter

BEP-M510 **BEP-M950**









Measurement Parameters

BEP-M510:
Conductivity, TDS, temperature.

BEP-M950:
Conductivity, TDS, salinity, resistivity, temperature.



BEP-M510 Features

-  1 to 3 points calibration with automatic recognition for conductivity standards
-  Selectable cell constant, temperature coefficient and TDS conversion factor
-  Automatic temperature compensation ensures accurate readings over the entire range
-  Auto-Read function senses and locks the measurement endpoint
-  Setup menu allows setting the number of calibration points, temperature unit, etc.
-  Reset function automatically resumes all settings back to the factory defaults



Setup menu allows setting the number of calibration points, stability criteria, temperature unit, date and time, etc.

Reset function automatically resumes all settings back to the factory defaults

Expanded memory stores or recalls up to 500 data sets

USB communication interface for data transfer and timed interval readings

BEP-M950 Features



Automatic:

Automatic electrode diagnosis shows the calibration points and factors

Automatic temperature compensation ensures accurate readings over the entire range

Auto-Read function senses and locks the measurement endpoint



Calibration:

1 to 5 points calibration with automatic recognition for conductivity standards

Calibration due alarm prompts user to calibrate the meter regularly



Selectable:

Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes



Optional Conductivity Electrodes

CON-0.1:
Suitable for measuring the low conductivity liquids (< 10µS/cm).

CON-1:
Suitable for general purpose applications.

CON-10:
Suitable for measuring the high conductivity liquids (> 20mS/cm).



Ordering Information

BEP-M510/950-S:
Meter, CON-1 conductivity electrode, temperature probe, standard solutions, electrode holder, USB cable (BEP-M950 only) and power adapter.

BEP-M510/950-DL:
Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for BEP-M950 only) and power adapter.

BEP-M510/950-DH:
Meter, CON-1 and CON-10 conductivity electrodes, temperature probe, standard solutions, electrode holder, USB cable (for BEP-M950 only) and power adapter.

Specifications






Model		BEP-M510	BEP-M950
Conductivity	Range	0.01-20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm	0.01-20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
	Resolution	0.001, 0.01, 0.1, 1	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.	±0.5% F.S.
	Calibration Points	1 to 3 points	1 to 5 points
	Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
TDS	Range	0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt	0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	±1%F.S.	±1%F.S.
	TDS Factor	0.1-1.0 (default 0.5)	0.1-1.0 (default 0.5)
Salinity	Range	—	0.00-42.00psu, 0.00-80.00ppt
	Resolution	—	0.01
	Accuracy	—	±1% F.S.
Resistivity	Range	—	0.00-20.00MΩ
	Resolution	—	0.01
	Accuracy	—	±1% F.S.
Temperature	Range	0-105°C/32-221°F	0-105°C/32-221°F
	Resolution	0.1°C/0.1°F	0.1°C/0.1°F
	Accuracy	±1°C/±1.8°F	±0.5°C/±0.9°F
	Offset Calibration	1 point, reading ±10°C	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0-100°C, manual or automatic	0-100°C, manual or automatic
	Temperature Coefficient	Linear (0.0-10.0%/°C)	Linear (0.0-10.0%/°C), pure water
	Reference Temperature	25°C	20/25°C
	Cell Constant	K=0.1,1,10 or custom	K=0.1,1,10 or custom
	Stability Criteria	—	Low or high
	Calibration Due Alarm	—	1 to 31 days or off
	Calibration Factor Display	—	Yes
	Hold Function	Manual or auto-endpoint	Manual or auto-endpoint
	Memory	—	500 data sets
	Communication Interface	—	USB
	Connector	6-pin mini-DIN, 3.5mm jack socket	6-pin mini-DIN, 3.5mm jack socket
	Display	Custom LCD (120×60mm)	Custom LCD (125×100mm)
	Power Requirements	DC9V power adapter	DC5V power adapter
Dimensions	210(L)×205(W)×75(H)mm	210(L)×188(W)×60(H)mm	
Weight	1.5kg	1.5kg	

Benchtop Conductivity Meter

CON-B100B



Advantages

-  6-inch LCD display screen.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP54 waterproof.
-  Cell constant is settable.
-  Manual temperature compensation ensures accurate results.

Selling point



Simple UI design



Accepts up to four electrodes and stirrer probe



- CON-B100B Conductivity Meter
- DJS-1VC Conductivity electrode
- Conductivity standard 1413 μ S/cm(50mL)
- Power adapter DC 9V(European plug model, QD24-0902000-A1)
- Electrode clip assembly
- Electrode stem
- Operation quick guide
- Instruction manual

Specifications

	Model	CON-B100B
Conductivity General	Range	0.00 μ S/cm to 100 mS/cm
	Resolution	0.01 μ S/cm minimum, various with range selection
	Accuracy	\pm 1.5% FS
	Reference Temperature	25 $^{\circ}$ C
Measurement	Reading Mode	Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	MTC
Inputs	Conductivity Probe	5-pin aviation connector
	Backlight	Yes
Display options	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP54
	Electricity	AC Adapter, 100-240V AC input, DC9V output
General	Dimensions	W200xD160xH63 mm
	Package Dimension	W310*D300*H150mm
	N.W./G.W.	0.6kg/1.6kg

Application









The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Benchtop Conductivity Meter

CON-B200E CON-B200EM

Advantages

-  6-inch high resolution LCD display screen.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP54 waterproof.
-  Cell constant is settable
-  Automatic/Manual temperature compensation ensures accurate results.
-  Auto-hold feature senses and locks the measurement endpoint.
-  Multi-reading feature allows auto-read and continuous-read.
-  Data Storage 50 sets for each parameter.



Selling point



Simple UI design



Electrode arm with 360 degree rotation

Specifications

	Model	CON-B200E	CON-B200EM
Conductivity	Range	0.00 μS/cm to 200 mS/cm	
	Resolution	0.01 μS/cm minimum, various with range selection	
	Accuracy	±1.0% FS	
	Reference Temperature	25 °C	
	Calibration Points	Up to 1	
	Standard Recognition	84μS/cm, 1413μS/cm, 12.88mS/cm	
TDS	Range	0.00mg/L~100g/L	
	Resolution	0.01mg/L minimum, various with range selection	
	Accuracy	±1.0% FS	
Temperature	Range	-5.0 to 110 °C, 23.0 to 230 °F	/
	Unit	°C	/
	Resolution	0.1	/
	Accuracy	±0.2	/
Measurement	Reading Mode	Auto Read, Continuous	
	Reading Prompts	Reading, Stable, Locked	
	Temp. Compensation	ATC, MTC	
Data management	Data Storage	50 results each	
Inputs	Conductivity with Temp. Probe	5-pin aviation connector	
Display options	Backlight	Yes	
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off	
	IP Rating	IP54	
General	Electricity	AC Adapter, 100-240V AC input, DC9V output	
	Dimensions	W242 × D195 × H68 mm	
	Package Dimension	W370×D310×H240mm	
	G.W./N.W.	2.8kg/0.9kg	

Application

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



CON-B200E

CON-B200E Conductivity Meter
 DJS-1VTC Conductivity electrode
 Conductivity standard 1413 μ S/cm(50mL)
 REX-5 electrode stand
 Power adapter DC 9V(European plug model, QD24-0902000-A1)outside)
 Dust cover (Key function version)
 Operation quick guide
 Instruction manual

CON-B200EM

CON-B200EM Conductivity Meter
 DJS-1VC Conductivity electrode
 Conductivity standard 1413 μ S/cm(50mL)
 REX-5 electrode stand
 Power adapter DC 9V(European plug model, QD24-0902000-A1)
 Dust cover (Key function version)
 Operation quick guide
 Instruction manual












Benchtop Conductivity Meter

CON-B300F



Advantages

-  5.7 inches high resolution LCD display.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP54 waterproof.
-  Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
-  · Automatic/Manual temperature compensation ensures accurate results.
· Temperature compensation type (none, linear, pure water).
-  Support for USB and RS-232 communication.
-  Multi-reading feature allows auto-read, timed-read and continuous-read.
-  Data Storage for 500 sets (GLP-compliant).
-  · Auto-hold feature senses and locks the measurement endpoint.
· 1-3 points calibration with standard recognition.

Selling point



Automatic identification standard solution
Fast calibration and more accurate measurement



Smart UI design
Best user experience, highly efficient measurement.



Multiple external devices available
PC, printer

Application

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Specifications

	Model	CON-B300F
Conductivity	Range	0.000 $\mu\text{S}/\text{cm}$ to 1000 mS/cm
	Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum, various with range selection
	Accuracy	$\pm 1.0\%$ FS
	Reference Temperature	20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 3
	Standard Recognition	84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm
Resistivity	Range	5.00 $\Omega\text{-cm}$ ~20.00 $\text{M}\Omega\text{-cm}$
	Resolution	0.01 $\Omega\text{-cm}$ minimum
	Accuracy	$\pm 1.0\%$ FS
TDS	Range	0.00ppm~300ppt
	Resolution	0.01ppm minimum, various with range selection
	Accuracy	$\pm 1.0\%$ FS
Salinity	Range	0.0~80.0 ppt
	Resolution	0.1ppt
	Accuracy	$\pm 2\text{ppt}$
Temperature	Range	-5.0 to 110 $^{\circ}\text{C}$, 23.0 to 230 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	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	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100~240V AC input, DC9V output
	Dimensions	242×195×68 mm
	Weight	900g

CON-B300F Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413 $\mu\text{S}/\text{cm}$ (50mL)
REX-5 electrode stand
Power adapter DC 9V (European plug model, QD24-0902000-A1)
Universal USB cable
Dust cover (Key function version)
Operation quick guide
Instruction manual












Benchtop Conductivity Meter

CON-B400F



Advantages

-  5.7 inches high resolution LCD display.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP54 waterproof.
-  Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
-  · Automatic/Manual temperature compensation ensures accurate results.
· Temperature compensation type (none, linear, pure water).
-  Support for USB and RS-232 communication.
-  Multi-reading feature allows auto-read, timed-read and continuous-read.
-  Data storage for 500 sets (GLP-compliant).
-  · Auto-hold feature senses and locks the measurement endpoint.
· 1-3 points calibration with standard recognition.

Selling point



Automatic identification standard solution

Fast calibration and more accurate measurement



Smart UI design

Best user experience, highly efficient measurement.



Multiple external devices available

PC, printer

Application

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Specifications

	Model	CON-B400F
Conductivity	Range	0.000 $\mu\text{S}/\text{cm}$ to 1000 mS/cm
	Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum, various with range selection
	Accuracy	$\pm 0.5\%$ FS
	Reference Temperature	20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 3
	Standard Recognition	84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm
Resistivity	Range	5.00 $\Omega\cdot\text{cm}$ ~100.00 $\text{M}\Omega\cdot\text{cm}$
	Resolution	0.01 $\Omega\cdot\text{cm}$ minimum
	Accuracy	$\pm 0.5\%$ FS
TDS	Range	0.00ppm~1000ppt
	Resolution	0.01 ppm minimum, various with range selection
	Accuracy	$\pm 0.5\%$ FS
Salinity	Range	0.0~80.0 ppt
	Resolution	0.1ppt
	Accuracy	± 1 ppt
Temperature	Range	-10 to 135 $^{\circ}\text{C}$, 14 to 275 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	Resolution	0.1
	Accuracy	± 0.1
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	500 results each
	GLP Features	Yes
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100~240V AC input, DC9V output
	Dimensions	242x195x68 mm
	Weight	900g

CON-B400F Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413 $\mu\text{S}/\text{cm}$ (50mL)
REX-5 electrode stand
Power adapter DC 9V(European plug model, QD24-0902000-A1)
Universal USB cable
Dust cover (Key function version)
Operation quick guide
Instruction manual













Benchtop Conductivity Meter

CON-B500T



Advantages

-  7.0 inches color high contrast LCD touch screen.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP54 waterproof.
-  Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
-  · Automatic/Manual temperature compensation ensures accurate results.
· Temperature compensation type (none, linear, pure water).
-  Support for USB and RS-232 communication.
-  Multi-reading feature allows auto-read, timed-read and continuous-read.
-  Data Storage: 1000 sets for each parameter (GLP-compliant).
-  Intelligent operation system provides features including user management, calibration management, method management, data management and etc.
-  · Data analysis feature helps user review, compare and recalculate results.
· 1-5 points calibration with Standard Recognition.

Selling point



Large color touch screen
Easy operation and comfortable experience



User management system



Multiple external devices available
PC, printer, scanning gun, USB flash disk, etc

Application

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Specifications

	Model	CON-B500T
Conductivity	Range	0.000 $\mu\text{S/cm}$ to 2000 mS/cm
	Resolution	0.001 $\mu\text{S/cm}$ minimum, various with range selection
	Accuracy	$\pm 0.5\%$ FS
	Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10 $\mu\text{S/cm}$, 84 $\mu\text{S/cm}$, 500 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$, 12.88 mS/cm ; 146.5 $\mu\text{S/cm}$, 1408 $\mu\text{S/cm}$, 12.85 mS/cm , 111.3 mS/cm
Resistivity	Range	5.00 $\Omega\text{-cm}$ ~100.00 $\text{M}\Omega\text{-cm}$
	Resolution	0.01 $\Omega\text{-cm}$ minimum
	Accuracy	$\pm 0.5\%$ FS
TDS	Range	0.000~1000 ppt
	Resolution	0.001 ppm minimum, changed with range
	Accuracy	$\pm 0.5\%$ FS
Salinity	Type	NaCl
	Range	0~80.0ppt
	Resolution	0.1ppt
	Accuracy	± 1 ppt
Temperature	Range	-10 to 135 $^{\circ}\text{C}$, 14 to 275 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	Resolution	0.1
Measurement	Accuracy	± 0.1
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
	GLP Features	Yes
Inputs	Log Management	Yes
	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC, scanner
	RS 232	printer, 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	220x195x68 mm
	Weight	950g

CON-B500T Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413 $\mu\text{S/cm}$ (50mL)
REX-6 electrode stand
GC65-240270-F Power adapter DC24V
Dust cover (Touch screen version)
European standard power cord(3VTJ2)
Universal USB cable
Touch pen (Capacitive screen)
Operation quick guide
Instruction manual



Benchtop Conductivity Meter

CON-B600L



Large color touch screen
Simple Operation, Comfortable Experience



Modular design
Four channels, flexible configuration



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-T 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.

Application



The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.

Description	Quantity
CON-B600L Conductivity Analyzer	1 Set
EC-T module	1 pc
RES module	3 pcs
REX-6 Electrode stand	1 pc
DJS-IVTC conductivity electrode	1 pc
Conductivity standard 1413µS/cm(50mL)	1 Bottle
Power adapter	1 pc
USB communication cable	1 pc
USB extension cable (A female to A male)	1 pc
Touch pen	1 pc
Operation guide	1 pc
Instruction manual	1 pc

Specifications







	Model	CON-B600L
Conductivity	Range	0.000 µS/cm to 3000 mS/cm
	Resolution	0.001 µS/cm minimum, various with range selection
	Accuracy	±0.5% FS
	Repeatability	0.40% (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%
Temperature	Accuracy	±0.1%
	Range	(-10.0~135.0)°C/(14.0~275.0)°F
	Resolution	0.1°C/0.1°F
Measurement	Accuracy	±0.3°C (0.0°C ~60.0°C); ±1.0 °C (Other Range)
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
	GLP Features	Yes
Inputs	Log Management	Yes
	Conductivity Probe	Five-pin aviation
	Outputs	USB, RS 232
Display options	USB 2.0 flash memory device, printer, PC	
	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Electricity	AC Adapter, 100-240V AC input, DC24V output
	Dimensions	240x310x98mm
	Weight	about 2.0kg

Portable Conductivity Meter

CON-P110B



Advantages

-  3.5-inch LCD display screen.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP65 waterproof.
-  Auto-power off feature effectively extends the battery service life.
-  Cell constant is settable
-  Manual temperature compensation ensures accurate results.

Application

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



- CON-P110B Conductivity Meter
- DJS-1VC Conductivity electrode
- Conductivity standard 1413 μ S/cm(50mL)
- Power adapter DC 5V 2A(European plug model, GAT-0502000)
- Electrode holder
- MicroUSB cable
- Silicone rubber case (Installed on the host)
- Wristband assembly (Small)
- Operation quick guide
- Instruction manual

Specifications

Model	CON-P110B
Conductivity	
Range	0.00 μ S/cm to 100 mS/cm
Resolution	0.01 μ S/cm minimum, various with range selection
Accuracy	\pm 1.0% FS
Reference Temperature	25 $^{\circ}$ C
Measurement	
Reading Mode	Continuous
Reading Prompts	Reading, Stable
Temp. Compensation	MTC
Inputs	
Conductivity	5-pin aviation connector
Display options	
Backlight	Yes
Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
IP Rating	IP65
General	
Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
Dimensions	80x255x35 mm
Weight	400g (0.88 lb)

Portable Conductivity Meter

CON-P210E



LCD display screen



Easy to operate

Selling point

- Multi-reading feature
- IP65 waterproof.
- Settable cell constant
- Automatic/manual temperature compensation

Features

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



CON-P210E Conductivity Meter

- DJS-IVTC Conductivity electrode
- Conductivity standards 1413 μ S/cm(50mL)
- Power adapter DC 5V 2A(European plug model, GAT-0502000)
- Electrode holder
- MicroUSB cable
- Silicone rubber case (Installed on the host)
- Wristband assembly (Small)
- Operation quick guide
- Instruction manual

Specifications

Model	CON-P210E	
Conductivity	Range	0.00 μ S/cm to 200 mS/cm
	Resolution	0.01 μ S/cm minimum, various with range selection
	Accuracy	\pm 1.0% FS
	Reference Temperature	25 $^{\circ}$ C
	Calibration Points	Up to 1
	Standard Recognition	84 μ S/cm, 1413 μ S/cm, 12.88mS/cm
TDS	Range	0.00mg/L~300g/L
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	\pm 1.0%FS
Temperature	Range	-5 to 110 $^{\circ}$ C, 23 to 230 $^{\circ}$ F
	Unit	$^{\circ}$ C, $^{\circ}$ F
	Resolution	0.1
	Relative Accuracy	\pm 0.2
Measurement	Reading Mode	Auto Read, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	200 results each
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
	Backlight	Yes
Display options	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	80 \times 255 \times 35 mm
	Package Dimension (W*D*H)	320*310*160mm
	N.W./G.W.	0.4kg/1.4kg

Description

- The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.

Portable Conductivity Meter

CON-P310F

Selling point

- Automatic/Manual temperature compensation
- Multi-reading feature
- IP65 waterproof.
- Support for USB communication



LCD display screen



Easy to operate

Features



3.5-inch LCD display screen.



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



Automatic/Manual temperature compensation ensures accurate results.



Auto-hold feature senses and locks the measurement endpoint.



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



Support for USB communication.



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



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



IP65 waterproof.



1-3 points calibration with Standard Recognition.



Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.



Temperature compensation type (none, linear, pure water).



Description

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.

Specifications

Model	CON-P310F	
Conductivity	Range	0.000 $\mu\text{S}/\text{cm}$ to 500 mS/cm
	Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum, various with range selection
	Accuracy	$\pm 1.0\%$ FS
	Reference Temperature	20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 3
Resistivity	Standard Recognition	84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm
	Range	5.00 $\Omega\text{-cm}$ ~20.00 $\text{M}\Omega\text{-cm}$
	Resolution	0.01 $\Omega\text{-cm}$ minimum
TDS	Accuracy	$\pm 1.0\%$ FS
	Range	0.00ppm~300ppt
	Resolution	0.01ppm minimum, various with range selection
Salinity	Accuracy	$\pm 1.0\%$ FS
	Range	0.00~80ppt
	Resolution	0.1ppt
Temperature	Accuracy	$\pm 2\text{ppt}$
	Range	-5 to 110 $^{\circ}\text{C}$, 23 to 230 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	Resolution	0.1
Measurement	Relative Accuracy	± 0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	Conductivity with Temp. Probe	5-pin aviation connector
Display options	Outputs	USB
	Backlight	PC, printer
	Auto Shutdown	Yes
	IP Rating	300, 600, 1200, 1800, 3600 sec., off
General	Date and Time	IP65
	Electricity	Yes
	Dimensions	Rechargeable Lithium battery, AC Adapter, 100~240V AC input, DC5V output
	Weight	90x255x40 mm
		400g



CON-P310F Conductivity Meter

- DJS-1VTC Conductivity electrode
- Conductivity standard 1413 $\mu\text{S}/\text{cm}$ (50mL)
- Power adapter DC 5V 2A(European plug model, GAT-0502000)
- Electrode holder
- MicroUSB cable
- MicroUSB to DB25 printing cable
- Silicone rubber case (Installed on the host)
- Wristband assembly (Small)
- Carrying case
- Operation quick guide
- Instruction manual













Portable Conductivity Meter

CON-P310T



Advantages

-  4.3-inch Color High contrast LCD touchscreen.
-  Reset feature automatically resumes all settings back to factory default options.
-  IP65 waterproof.
-  Support for USB communication
-  Auto-hold feature senses and locks the measurement endpoint.
-  Data capacity of up to 500 sets for each parameter (GLP-compliant).
-  Automatic/Manual temperature compensation ensures accurate results. Temperature compensation type (none, linear, pure water).
-  Data analysis feature helps user review, compare and recalculate results. 1-3 points calibration with standard recognition.
-  Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
-  Multi-reading feature allows auto-read, timed-read and continuous-read. Auto-power off feature effectively extends the battery service life.

Description

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Large color touch screen
Easy operation and comfortable experience

Multiple external devices available
PC, printer

Tilting stand
Support better reading and operation

Wristbands
Safety hold



Specifications

	Model	CON-P310T
Conductivity	Range	0.000 $\mu\text{S}/\text{cm}$ to 1000 mS/cm
	Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum, various with range selection
	Accuracy	$\pm 1.0\%$ FS
	Reference Temperature	20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 3
	Standard Recognition	84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm
Resistivity	Range	5.00 $\Omega \cdot \text{cm}$ ~ 20.00 $\text{M}\Omega \cdot \text{cm}$
	Resolution	0.01 $\Omega \cdot \text{cm}$ minimum,
	Accuracy	$\pm 1.0\%$ FS
TDS	Range	0.00ppm~300ppt
	Resolution	0.001ppt minimum, 3 significant digits
	Accuracy	$\pm 1.0\%$ FS
Salinity	Range	0~80ppt
	Resolution	0.1ppt
	Accuracy	$\pm 2\text{ppt}$
Temperature	Range	-5 to 110 $^{\circ}\text{C}$, 23 to 230 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	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	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(W*D*H)	90× 255 ×40 mm
	Package Dimension (W*D*H)	420× 350× 180mm
	N.W./G.W.(kg)	0.5Kg/4kg



CON-P310T Conductivity Meter









- DJS-IVTC Conductivity electrode
- Conductivity standard 1413 $\mu\text{S}/\text{cm}$ (50mL)
- Power adapter DC 5V 2A(European plug model, GAT-0502000)
- Electrode holder
- MicroUSB cable
- MicroUSB to DB25 printing cable
- Touch pen (Capacitive screen)
- Silicone rubber case (Installed on the host)
- Wristband assembly (Large)
- Carrying case
- Operation quick guide
- Instruction manual




Portable Conductivity Meter

CON-P510T



Advantages

-  4.3 inches color high contrast LCD touch screen
-  Reset feature automatically resumes all settings back to factory default options.
-  IP65 waterproof.
-  Support for USB communication.
-  Multi-reading feature allows auto-read, timed-read and continuous-read.
-  Data Storage 1000 sets for each parameter (GLP-compliant).
-  Auto-hold feature senses and locks the measurement endpoint.
1-5 points calibration automatically recognizes the standard solutions.
-  Automatic/Manual temperature compensation ensures accurate results.
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.
-  Multi-reading feature allows auto-read, timed-read and continuous-read.
Auto-power off feature effectively extends the battery service life.
-  Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.
Data analysis feature helps user review, compare and recalculate results.

Description

The conductivity meter is a water quality analysis instrument developed for high-end water quality management and automatic control of medical multi-effect distilled water systems, boiler bottom water, condensate water, and heat exchange systems operating in higher temperature environment.



Method management
Various methods are built-in, available for methods customization

Large color touch screen
Easy operation and comfortable experience

Assortment of accessories



Specifications	Model	CON-P510T
Conductivity	Range	0.000 $\mu\text{S}/\text{cm}$ to 3000 mS/cm
	Resolution	0.001 $\mu\text{S}/\text{cm}$ minimum, various with range selection
	Accuracy	$\pm 0.5\%$ FS
	Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}\text{C}$
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10 $\mu\text{S}/\text{cm}$, 84 $\mu\text{S}/\text{cm}$, 500 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm ; 146.5 $\mu\text{S}/\text{cm}$, 1408 $\mu\text{S}/\text{cm}$, 12.85 mS/cm , 111.3 mS/cm
Resistivity	Range	5.00 $\Omega\text{-cm}$ ~100.00 $\text{M}\Omega\text{-cm}$
	Resolution	0.01 $\Omega\text{-cm}$ minimum
	Accuracy	$\pm 0.5\%$ FS
TDS	Range	0.000ppm~1000ppt
	Resolution	0.001mg/L minimum, changed with range
	Accuracy	$\pm 0.5\%$ FS
Salinity	Range	0.0~80.0ppt
	Resolution	0.1ppt
	Accuracy	± 1 ppt
Temperature	Range	-10 to 135 $^{\circ}\text{C}$, 14 to 275 $^{\circ}\text{F}$
	Unit	$^{\circ}\text{C}$, $^{\circ}\text{F}$
	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	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	IP65
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100~240V AC input, DC5V output
	Dimensions	90 \times 255 \times 40 mm
	Weight	500g



CON-P510T Conductivity Meter

- DJS-IVTC Conductivity electrode
- Conductivity standard 1413 $\mu\text{S}/\text{cm}$ (50mL)
- Power adapter DC 5V 2A(European plug model, GAT-0502000)
- Electrode holder
- MicroUSB cable
- OTG adapter cable (MicroUSB connector)
- Touch pen (Capacitive screen)
- Silicone rubber case (Installed on the host)
- Wristband assembly (Large)
- Carrying case
- Operation quick guide
- Instruction manual

Portable Conductivity Meter

BEP-M520 BEP-M530 BEP-M531 BEP-M540



Measurement Parameters

- BEP-M520:**
Conductivity, temperature
- BEP-M530:**
Conductivity, TDS, temperature
- BEP-M531:**
Conductivity, salinity, temperature
- BEP-M540:**
Conductivity, TDS, salinity, resistivity, temperature

Features

- Automatic electrode diagnosis shows the calibration points and factors
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint
- Reset function automatically resumes all settings back to the factory defaults






- Auto-Power Off effectively conserves battery life
- USB communication interface is easy to transfer data to PC
- Multi-mode power scheme (batteries, power adapter and USB port) ensures use
- Expanded memory stores or recalls up to 500 data sets



BEP-M520 Features

- ◆ 1 to 3 points calibration with automatic recognition for conductivity standards
- ◆ Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes
- ◆ Setup menu allows to set the number of calibration points, temperature unit, auto-power off, etc.
- ◆ Expanded memory stores or recalls up to 100 data sets

BEP-M530/531/540 Features

-  1 to 5 points calibration with automatic recognition for conductivity standards
Calibration due alarm prompts user to calibrate the meter regularly
-  Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes
-  Setup menu allows to set the number of calibration points, stability criteria, temperature unit, date and time, etc.



Optional Conductivity Electrodes

CON-0.1:
Suitable for measuring the low conductivity liquids (< 10µS/cm).

CON-1:
Suitable for general purpose applications.

CON-10:
Suitable for measuring the high conductivity liquids (> 20mS/cm).



Ordering Information

BEP-M520/530/531/540-S (for general purpose applications):
Meter, CON-1 conductivity electrode, temperature probe, standard solutions and carrying case

BEP-M520/530/531/540-DL (for low conductivity measurements):
Meter, CON-0.1 and CON-1 conductivity electrodes, temperature probe, standard solutions, carrying case

BEP-M520/530/531/540-DH (for high conductivity measurements):
Meter, CON-1 and CON-10 conductivity electrodes, temperature probe, standard solutions, carrying case

Model	Specifications	BEP-M520	BEP-M530	BEP-M531	BEP-M540
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 3 points (BEP-M520), 1 to 5 points (BEP-M530/531/540)	●	●	●	●
Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm	●	●	●	●
TDS					
Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt	-	●	-	●
Resolution	0.01, 0.1, 1	-	●	-	●
Accuracy	±1%FS.	-	●	-	●
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% FS.	-	-	-	●
Temperature					
Range	0~105°C/32~221°F	●	●	●	●
Resolution	0.1°C/0.1°F	●	●	●	●
Accuracy	±0.5°C/±0.9°F	●	●	●	●
Offset Calibration	1 point, reading ±10°C	●	●	●	●
Other Specifications					
Temperature Compensation	0~100°C, manual or automatic	●	●	●	●
Temperature Coefficient	Linear (0.0~10.0%/°C), non-linear, pure water	●	●	●	●
Reference Temperature	20/25 C	●	●	●	●
Cell Constant	K=0.1, 1, 10	●	●	●	●
Stability Criteria	Low or high	-	●	●	●
Calibration Due Alarm	1 to 31 days or off	-	●	●	●
Hold Function	Manual or auto endpoint	●	●	●	●
Auto-Off	30 minutes after last key pressed (BEP-M520)	●	-	●	-
	10, 20 or 30 minutes after last key pressed (BEP-M530/531/540)	●	●	●	●
Memory	100 data sets (BEP-M520), 500 data sets (BEP-M530/531/540)	●	●	●	●
Communication Interface	USB	-	●	●	●
Connector	6-pin mini-DIN, 3.5mm jack socket	●	●	●	●
Display	Custom LCD (80×60mm)	●	●	●	●
Power Requirements	3× 1.5V AA batteries or DC5V power adapter	●	●	●	●
Battery Life	Approximately 150 hours(Turn off the backlight)	●	●	●	●
Dimensions	170(L)×85(W)×30(H)mm	●	●	●	●
Weight	300g	●	●	●	●

Pocket Conductivity Meter

CON-P10L CON-P10M CON-P10H



Applications

CON-P10L:
Suitable for measuring the low conductivity liquids

CON-P10M:
Suitable for general purpose applications

Ordering Information

CON-P10L/M/H:
Tester and plastic box

CON-P10L Features

- ◆ 1 point push-button calibration allows using the custom calibration solution
- ◆ Platinum conductivity cell provides the quick and reliable measurement results
- ◆ Automatic temperature compensation corrects conductivity measurement to reference temperature
- ◆ Hold function momentarily freezes reading for easy viewing and recording
- ◆ Auto-Power Off effectively conserves battery life
- ◆ Replaceable electrode module reduces maintenance and replacement cost



Replaceable Conductivity Electrodes

CON-P-C1-100K:
2-pole platinum conductivity cell
Suitable for ECscan10L/M/H testers

Specifications

Model	CON-P10L	CON-P10M	CON-P10H
Conductivity			
Range	1.0-199.9 μ S/cm	10-1999 μ S/cm	0.1-19.99mS/cm
Resolution	0.1 μ S/cm	1 μ S/cm	0.01mS/cm
Accuracy	\pm 1%F.S.	\pm 1%F.S.	\pm 1%F.S.
Calibration Points	1 point	1 point	1 point
Calibration Solutions	146.5 μ S/cm	1413 μ S/cm	12.88mS/cm
Temperature			
Range		0-50°C	
Resolution		1°C	
Accuracy		\pm 1°C	
Other Specifications			
Temperature Compensation		0-50°C, automatic	
Temperature Coefficient		2%/°C	
Reference Temperature		25°C	
Cell Constant		K=1	
Hold Function		Manual	
Auto-Off		8 minutes after last key pressed	
Operating Temperature		0-50°C	
Display		Single-line LCD (21x21mm)	
Power Requirements		3x1.5V LR44 micro alkaline batteries	
Battery Life		Approximately 150 hours of continuous use	
Dimensions		185(L)x40(Dia.)mm	
Weight		100g	

Pocket Conductivity Meter

CON-P20 CON-P30 CON-P40



Measurement Parameters

CON-P20:
Conductivity, temperature

CON-P30:
Conductivity, TDS, temperature

Multi-range conductivity tester contains the TDS and salinity measurement modes

Features

- ◆ 1 to 3 points calibration with automatic recognition for conductivity standards
- ◆ Automatic temperature compensation ensures accurate readings over the entire range
- ◆ Auto-Read function senses and locks the measurement endpoint
- ◆ Setup menu allows setting the number of calibration points, TDS conversion factor, temperature unit, auto-power off, etc.
- ◆ Reset function automatically resumes all settings back to the factory defaults



Replaceable Conductivity Electrodes

CON-P-C1-10K:
2-pole platinum conductivity cell
Suitable for ECscan20/30/40 testers

Specifications

Model	CON-P20	CON-P30	CON-P40
Conductivity			
Range	0~20.00,200.0,2000µS/cm,20.00mS/cm		
Resolution	0.01,0.1,1		
Accuracy	±1% F.S.		
Calibration Points	1 to 3 points		
Calibration Solutions	84µS/cm,1413µS/cm,12.88mS/cm		
TDS			
Range	—	0~10.00,100.0,1000ppm,20.00ppt	
Resolution	—	0.01,0.1,1	
Accuracy	—	±1%F.S.	
TDS Factor	—	0.1~1.0(default 0.5)	
Salinity			
Range	—	—	0.00~10.00ppt
Resolution	—	—	0.01ppt
Accuracy	—	—	±1%F.S.
Temperature			
Range	0~60°C/32~140°F		
Resolution	0.1°C/0.1°F		
Accuracy	±1°C/±1.8°F		
Offset Calibration	1 point, reading ±10°C		
Other Specifications			
Temperature Compensation	0~60°C, automatic		
Temperature Coefficient	2%/°C		
Reference Temperature	25°C		
Cell Constant	K=1		
Hold Function	Manual or auto-endpoint		
Auto-Off	8 minutes after last key pressed		
Operating Temperature	0~50°C		
Display	Dual-line LCD (21×21mm)		
Power Requirements	2×1.5V AAA batteries		
Battery Life	Approximately 200 hours of continuous use		
Dimensions	185(L)×40(Dia.)mm		
Weight	100g		

Multiparameter Bluetooth Conductivity Meter

CON-BT50-M CON-BT50-H



Selectable cell constant, temperature compensation type, temperature compensation coefficient, pure water compensation coefficient, reference temperature and TDS factor.



Multiparameter measurement allows the bluetooth pH and dissolved oxygen testers connect to device simultaneously.

Description



1 to 3 points calibration with automatic recognition for conductivity standards. Calibration due alarm prompts user to calibrate the tester regularly. Calibration report shows the date, time, calibration point and factor.



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



Password protection prevents the unauthorized calibration and settings.



Automatic temperature compensation ensures accurate readings over the entire range. Auto-Read function senses and locks the measurement endpoint. Timed Interval Readings sends the measurement data to memory or printer. Limit Alarm automatically alerts when reading exceeds the specified range.



Multiparameter bluetooth conductivity meter is equipped with a platinum sensor.

Specifications






Model	CON-BT50-M	CON-BT50-H	
Conductivity	Range	10µS/cm to 20mS/cm	100µS/cm to 200mS/cm
	Resolution	0.001, 0.01, 0.1, 1	
	Accuracy	±0.5% F.S.	
	Calibration Points	1 to 3 points	
	Calibration Solutions	84µS, 1413µS, 12.88mS, 111.8mS	
TDS	Range	0 to 20.00g/L	0 to 200.0g/L
	Resolution	0.01, 0.1, 1	
	Accuracy	±1% F.S.	
	TDS Factor	0.01 to 1.00 (Default 0.5)	
Salinity	Range (Practical Salinity)	0.00 to 10.00psu	0.00 to 42.00psu
	Range (Natural Seawater)	0.00 to 10.00ppt	0.00 to 80.00ppt
	Range (%)	0.00 to 1.00%	0.00 to 8.00%
	Resolution	0.01	
	Accuracy	±1% F.S.	
Resistivity	Range	0.00 to 10.00MΩ	0.00 to 1.00MΩ
	Resolution	0.01, 0.1, 1	
	Accuracy	±1% F.S.	
Conductivity Ash	Range	0 to 100%	
	Accuracy	±1% F.S.	
	Measurement Modes	Refined sugar or raw sugar	
General Specifications	Temperature Compensation	0 to 100°C/32 to 212°F, automatic	
	Temperature Coefficient	Linear (0.0 to 10.0%/°C), non-linear, USP, EP	
	Pure Water Compensation	Yes	
	Reference Temperature	20/25°C	
	Cell Constant	K=1	K=10
	Stability Criteria	Fast, standard, slow	
	Measurement Modes	Continuous or auto-read	
	Timed Interval Readings	10, 30, 60, 300 seconds or off	
	Calibration Due Alarm	1 to 99 days or off	
	Data Transfer	Send to memory or printer	
	Password Protection	6 digits	
	Connectivity	Bluetooth 4.0 or later	
	Max Wireless Range	10m/32.8ft	
Power	2×1.2V lithium batteries or AAA batteries		
Dimensions	185(L)×40(Dia.)mm		
Weight	100g		

Online Conductivity Meter

CON-OL650



Description

-  1 to 3 points calibration with automatic recognition for conductivity standards
-  Selectable cell constant, temperature coefficient and TDS conversion factor
-  Automatic temperature compensation ensures accurate readings over the entire range
-  Reset function automatically resumes all settings back to the factory defaults
-  Setup menu allows to set the number of calibration points, alarm limits, hysteresis value, 4 to 20mA output, etc.

Optional Conductivity Electrodes

IE-50LT:
Suitable for measuring the pure water (< 10µS/cm)

IE-50MT:
Suitable for general purpose applications

IE-50HT:
Suitable for measuring the seawater (> 20mS/cm)

Ordering Information

CON-OL650:
Controller, IE-50MT industrial conductivity electrode

Specifications

Model	CON-OL650
Conductivity	
Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Resolution	0.001, 0.01, 0.1, 1
Accuracy	±1% F.S.
Calibration Points	1 to 3 points (84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm)
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)
Temperature	
Range	0~100°C/32~212°F
Resolution	0.1°C/0.1°F
Accuracy	±1°C/±1.8°F
Offset Calibration	1 point, reading ±10°C
Communication	
Signal Output	4~20mA
Load	Max. 500Ω
Low or High Alarm	0.02µS/cm~20.0mS/cm, selectable
Communication Interface	RS485
Connection Terminals	Detachable screw terminals
Other Specifications	
Temperature Compensation	0~100°C, automatic
Environmental Conditions	Ambient temperature < 60°C, relative humidity < 80%
Power Requirements	DC24V
Dimensions	96(L)× 96 (W)×75(H)mm
Weight	350g