Infitek

CONDUCTIVITY METERS

Infitek Infitek Infitek Infitek Infitek

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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, 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
Calibration Solutions	10μS, 84μS, 1413μS, 12.88mS, 111.8mS

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

	General Specifications
Temperature Compensation	0 to 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.

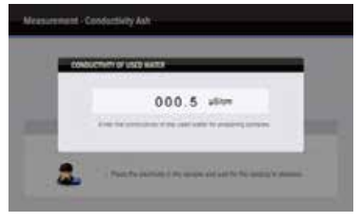
ALARM

- 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

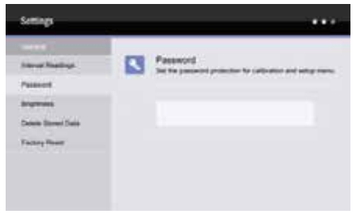
Features



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



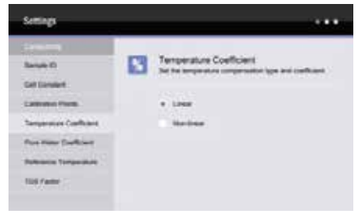
1 to 3 points calibration with automatic recognition for conductivity standards.



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.



Temperature Probe

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

Expanded memory stores or recalls up to 1000 data sets .



CON-0.1



CON-1 CON-10

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



ALARM

- 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



CON-0.1



CON-1 CON-10

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.

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.

Selling point



Simple UI design



Accepts up to four electrodes and stirrer probe



- CON-B100B Conductivity Meter
- DJS-1VC Conductivity electrode
- Conductivity standard 1413μS/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 μS/cm to 100 mS/cm
	Resolution	0.01 μS/cm minimum,various with range selection
	Accuracy	±1.5% FS
	Reference Temperature	25 °C
Measurement	Reading Mode	Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	MTC
Inputs	Conductivity 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	W200×D160×H63 mm
	Package Dimension	W310*D300*H150mm
	N.W./G.W.	0.6kg/1.6kg

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.



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.

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	

CON-B200E

CON-B200E Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413μS/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 1413μS/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

- 7.0 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 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	0.01ppm minimum, various with range selection
	Accuracy	±1.0% FS
Salinity	Range	0.0~80.0 ppt
	Type	NaCl
	Resolution	0.1ppt
	Accuracy	±2ppt
Temperature	Range	-5.0 to 110 °C, 23.0 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.2
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	500 results each
	GLP Features	Yes
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242×195×68 mm
	Weight	900g

CON-B300F Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413µS/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

- 7.0 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 µS/cm to 1000 mS/cm
	Resolution	0.001 µS/cm minimum,various with range selection
	Accuracy	±0.5% 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~100.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.00ppm~1000ppt
	Resolution	0.001 ppm minimum, various with range selection
	Accuracy	±0.5% FS
Salinity	Range	0.0~80.0 ppt
	Type	NaCl
	Resolution	0.1ppt
	Accuracy	± 1ppt
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.1
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	500 results each
	GLP Features	Yes
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
	Date and Time	Yes
General	Electricity	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242×195×68 mm
	Weight	900g

CON-B400F Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413µS/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 μS/cm to 2000 mS/cm
	Resolution	0.001 μS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10 μS/cm, 84 μS/cm, 500 μS/cm, 1413 μS/cm, 12.88 mS/cm; 146.5 μ S/cm, 1408 μ S/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	0.000~1000 ppt
	Resolution	0.001 ppm minimum, changed with range
	Accuracy	±0.5%FS
Salinity	Type	NaCl
	Range	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	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	220×195×68 mm
	Weight	950g

CON-B500T Conductivity Meter
DJS-1VTC Conductivity electrode
Conductivity standard 1413μS/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



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 1413µS/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 µS/cm to 100 mS/cm
Resolution	0.01 µS/cm minimum, various with range selection
Accuracy	±1.0% FS
Reference Temperature	25 °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	80×255×35 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-1VTC Conductivity electrode
Conductivity standards 1413µS/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 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~300g/L
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	±1.0%FS
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, 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
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	80×255×35 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





LCD display screen



Easy to operate

Selling point

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

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.



CON-P310F Conductivity Meter

DJS-1VTC Conductivity electrode

Conductivity standard 1413μS/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



Specifications

Model		CON-P310F
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	0.00ppm~300ppt
	Resolution	0.01ppm minimum, various with range selection
	Accuracy	±1.0%FS
Salinity	Range	0.00~80ppt
	Resolution	0.1ppt
	Accuracy	±2ppt
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	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	90×255×40 mm
	Weight	400g

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.
- IP67 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).
- Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
- Data analysis feature helps user review, compare and recalculate results.

  1-3 points calibration with standard recognition.
- 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 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	0.001ppt minimum, 3 significant digits
	Accuracy	±1.0%FS
Salinity	Range	0~80ppt
	Resolution	0.1ppt
	Accuracy	±2ppt
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	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	IP67
	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-1VTC Conductivity electrode

Conductivity standard 1413µS/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.
- IP67 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).
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Auto-hold feature senses and locks the measurement endpoint.
  1-5 points calibration automatically recognizes the standard solutions.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
  Auto-power off feature effectively extends the battery service life.
- Automatic/Manual temperature compensation ensures accurate results.
  Temperature compensation type (none, linear, pure water)
- 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 μS/cm to 3000 mS/cm
	Resolution	0.001 μS/cm minimum,various with range selection
	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10μS/cm, 84μS/cm, 500μS/cm, 1413μS/cm, 12.88mS/cm；146.5 μ S/cm, 1408 μ S/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	0.000ppm~1000ppt
	Resolution	0.001mg/L minimum, changed with range
	Accuracy	±0.5%FS
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	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC, scanner
Display options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP67
	Date and Time	Yes
General	Electricity	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90×255×40 mm
	Weight	500g





CON-P510TConductivity Meter

DJS-1VTC Conductivity electrode

Conductivity standard 1413μS/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



WARRANTY

- 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.



CON-0.1



CON-1 CON-10

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℃	●	●	●	●
Cell Constant	K=0.1, 1, 10	●	●	●	●
Stability Criteria	Low ar 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)x30(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	1.0-199.9μS/cm	10-1999μS/cm	0.1-~19.99mS/cm
Resolution	0.1μS/cm	1μS/cm	0.01mS/cm
Accuracy	±1%F.S.	±1%F.S.	±1%F.S.
Calibration Points	1 point	1 point	1 point
Calibration Solutions	146.5μS/cm	1413μS/cm	12.88mS/cm
Temperature			
Range	0-50°C		
Resolution	1°C		
Accuracy	±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 (21×21mm)		
Power Requirements	3×1.5V LR44 micro alkaline batteries		
Battery Life	Approximately 150 hours of continuous use		
Dimensions	185(L)×40(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 to3 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



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.

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

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

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

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 (84uS/cm, 1413uS/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

Electrode

Applicable Model:
CON-B100B/CON-B200EM/CON-B200E/CON-B300F/CON-B400F/CON-B500T/
CON-B600L/CON-P110B/CON-P210E/CON-P310F/CON-P310T/CON-P510T

Electrodes

Model	Cell Constant	Measurement Range	Description	Sensor Material	Working Temp.	Dimension	Connector
DJS-1VC	k=1	2 ~ 20000 μS/cm	Municipal wastewater/	Glass	0~80℃	Φ12*120 mm	5-pin aviation
DJS-1VTC	k=1, ATC	2 ~ 20000 μS/cm	Wastewater/Seawater/Juice	Glass	0~80℃	Φ12*120 mm	5-pin aviation
DJS-1VG	k=1	2 ~ 3000 μS/cm	Tap/Drinking water/ Rain/Surface water/	Glass	0~80℃	Φ12*120 mm	5-pin aviation
DJS-1VTG	k=1, ATC	2 ~ 3000 μS/cm	Organic solution/Hydrogen peroxide system	Glass	0~80℃	Φ12*120 mm	5-pin aviation
DJS-0.1VTG	k=0.1, ATC	0.05 ~ 200 μS/cm	Pure/Ion-exchange water	Glass	0~80℃	Φ18*120 mm	5-pin aviation
DJS-0.01VT	k=0.01, ATC	0 ~ 2 μS/cm	Ultrapure water	Titanium alloy	0~80℃	Φ18*50 mm	5-pin aviation
DJS-0.01VT	k=0.01, ATC, with retractable flow cell	0 ~ 2 μS/cm		Titanium alloy	0~80℃	Φ18*50 mm	5-pin aviation
DJS-10VTC	k=10, ATC	2000 ~ 200000 μS/cm	High salt industrial wastewater	Glass	0~80℃	Φ12*120 mm	5-pin aviation



DJS-0.01VT Bundle



DJS-0.01VT



DJS-0.1VTG



DJS-1VC



DJS-1VG



DJS-1VTC



DJS-1VTG



DJS-10VTC

Electrode



CON-0.1
CON-1
CON-10



IE-50LT
IE-50MT
IE-50HT

Applicable Model:

BEP-12DW、BEP-M150、BEP-M510、BEP-M950、BEP-M520、BEP-M530、BEP-M531、BEP-M540、CON-BT50、CON-OL650

Electrodes

Model	Cell Constant	Range	Description	Working Temp.	Body Type	Cable Length	Connector	Dimensions(mm)
CON-0.1	K=0.1	0~100 μS/cm	Platinum conductivity electrode, suitable for measuring the pure water	0~80°C	Glass	1 m	6-pin mini-DIN	120(L)×12(Ø)
CON-1	K=1.0	10 μS/cm~20 mS/cm	Platinum conductivity electrode, suitable for general purpose applications	0~80°C	Glass	1 m	6-pin mini-DIN	120(L)×12(Ø)
CON-10	K=10	1~200 mS/cm	Platinum conductivity electrode, suitable for measuring the high conductivity liquids	0~80°C	Glass	1 m	6-pin mini-DIN	120(L)×12(Ø)
K10	K=1.0	0 ~ 35 mS/cm	Platinum Conductivity Electrodes for Routine Application	0~50°C	Glass	1 m	6-pin DIN	120(L)×12(Ø)
IE-50LT	K=0.1	0~100 μS/cm	Industrial Conductivity Electrode Platinum conductivity electrode with a built-in temperature sensor	0~80°C	Stainless steel	5 m	-	130(L)×26(Ø)
IE-50MT	K=1.0	0~20 mS/cm		0~80°C	Stainless steel	5 m	-	130(L)×26(Ø)
IE-50HT	K=10	0~200 mS/cm		0~80°C	Stainless steel	5 m	-	130(L)×26(Ø)
CON-FC	-	Suitable for pure water with a conductivity of <10 μS/cm	Conductivity flow cell, suitable for use with the CON-0.1 conductivity electrode	-	-	-	-	-

Temperature Electrode

Model	Material	Sensor	Measuring Range	Operating Temperature	Connector	Cable Length	Weight	Dimensions
TP-10K	Stainless Steel	NTC 10KΩ	0~105°C	0~50°C	3.5 mm audio jack	1m	25 g	120(L)×3(Ø)mm