Laboratory EC/TDS Analyzer

ECB-150

This device is a digital conductivity meter capable of measuring and displaying water conductivity in the range of 0.00 µS/cm~19.9 mS/cm, TDS in the range of 0.1 mg/L~19.9 g/L, and resistance in the range of 0 Ω.cm~100 MΩ.cm in aqueous solutions, the measurement accuracy of these parameters is automatically determined according to the measurement range. This device also has the ability to measure temperature in the range of -5~105 ˚C with an accuracy of 0.1 ˚C and salinity in the range of 0~80 ppt with an accuracy of 0.1 ppt.

- Easy, reliable and stable calibration.
- Temperature measurement in two units ˚C or ˚F.
- Quick response to changing parameters.
- Easy to use with high precision.
- Designed for use in different environments and conditions.

This conductivity meter is used to measure the conductivity of aqueous solutions (drinking water, municipal sewage and industrial effluents, etc.) in the fields of research, environmental protection, industries (control of industrial factories and production lines), mines, etc.

This device has the ability to connect all kinds of sensors from the world's most reliable brands with the standard Mini Din connector. It is also a standard NTC temperature sensor that gives the customer the freedom to choose the desired sensors.

Features

- It has a digital display with the ability to display electrical conductivity, sample temperature, salinity, TDS and resistance.
- Equipped with a standard base to hold several electrodes with adjustable height and direction.
- The ability to measure the conductivity of ultra-pure water, water containing various pollutants and high salinity.
- Calibration capability in two modes of using the standard solution or changing the cell constant of the electrode.
- Ability to record and save measurement results up to 99 data groups.
- The possibility of connecting to all types of standard printers with RS232 cable to provide a print report with time and date and all measured parameters in standard format.

Specifications

Measurement range	Conductivity	0.00 µS/cm~19.9 mS/cm
	TDS	0.1 mg/L~19.9 g/L
	saltiness	0.0~80.0 ppt
	Resistance	0 Ω.cm~100 MΩ.cm
	temperature	-5~105 ˚C
Accuracy	Resistance /TDS /Conductivity Automatic sorting	
	Saltiness	0.1ppt
	Temperature	0.1 ˚C
Measurement Fault Electronics unit	Conductivity	±0.5 % FS
	Temperature	±0.3 ˚C
Calibration	1 point	
Power supply	DC5V/1W	
Size/Weight	220×210×70 mm/0.5kg	
Display	LCD	
Electrode port	Mini Din	
Data storage	Calibration data 99 groups of measured data	
Printer output	yes	
Print operator	Measurement results Calibration results Stored data	
Working conditions	Temperature	5~40 °C
	Relative Humidity	(non- saturated)5%~%80
	Above sea level	<=2000 m

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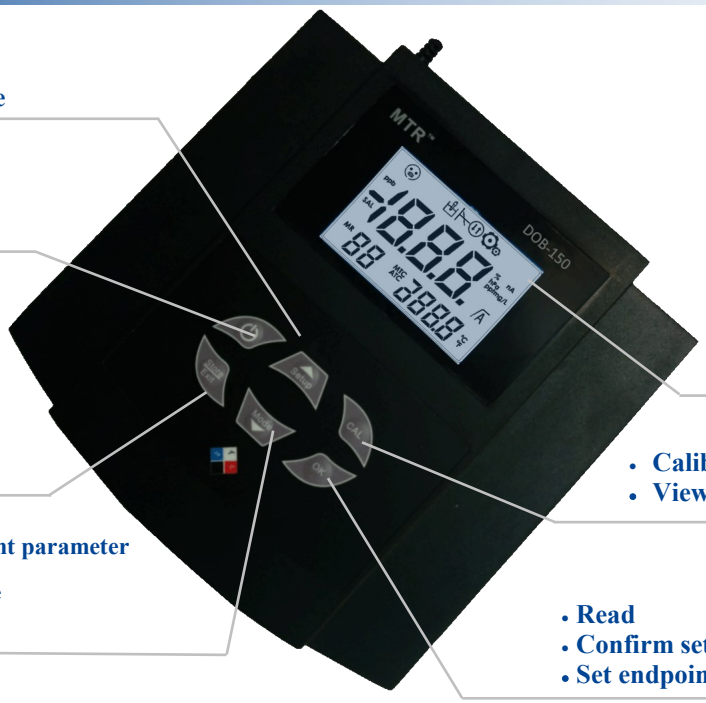
DOB-150

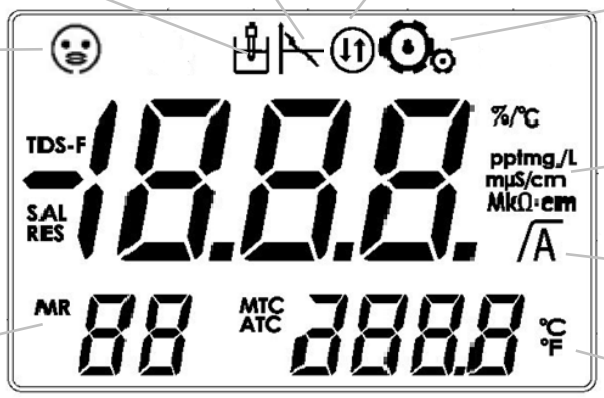
Laboratory Analyzer of DO and Temperature

• Unique keyboard features



- Parameter settings
- Up key to select a value
- Turn on / off
- LCD screen
- Saved of measured data
- View saved data
- Exit pages
- Calibration
- View calibration data
- Changing the measurement parameter
- Down key to select a value
- Move to the settings page
- Read
- Confirm settings
- Set endpoint

• Unique screen features



- Measurement status
- Calibration status
- Data status output
- Parameter settings
- Electrode condition (sensor life)
- Measurement mode
- Unit of measurement
- Measured value
- Automatic reading
- Automatic endpoint
- List of fault
- saved information
- Sample temperature
- MTC and ATC manual and automatic temperature compensation respectively

• Device input and output connectors

- EC sensor connector
- Power cable input
- Printer output

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