

## Laboratory Analyzer of DO and Temperature

This device is a digital DO meter capable of measuring and displaying oxygen dissolved in water in the range of 0.00~50.00 mg/L with an accuracy of 0.1 mg/L (ATC) and 0.01 mg/L, pressure in the range of 300~1100 hPa with an accuracy of 1 hPa and The temperature is in the range of 0~60 °C with an accuracy of 0.1 °C.

- Fast, simple and reliable use.
- Easy, reliable and stable calibration.
- Quick response to DO changes.
- Temperature measurement in two units °C or °F

This DO meter is used to measure the oxygen 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 BNC 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 temperature, pressure and DO at the same time.
- Equipped with a standard base to hold several electrodes with adjustable height and direction.
- Ability to measure DO of ultrapure water and waters containing various pollutants.
- DO calibration capability in two single-point and two-point modes.
- 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 a standard format.
- The powerful processor of the device provides automatic and manual temperature and pressure compensation.

## DOB-150



### Specifications

Measurement range	DO	0.00~50.00 mg/L	
		0~500 %	
	Pressure	300~1100 hPa	
Accuracy	Temperature	0~60 °C (ATC/MTC)	
	DO	0.1 mg/L	0.01 mg/L
	Pressure	1 %	0.1 %
Measurement Fault Electronics unit	Temperature	0.1 °C	
	DO	0.5 %FS ±	
	temperature	0.2 °C±	
Calibration	1 point, 2 point		
Power supply	DC 5V/1 W		
Size/Weight	220×210×70 mm/0.5kg		
Display	LCD		
DO Sensor input	BNC		
Temperature input	NTC30KΩ - NTC22KΩ		
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	%5~%80 (non- saturated)	
	Above sea level	<=2000 m	



## DOB-150

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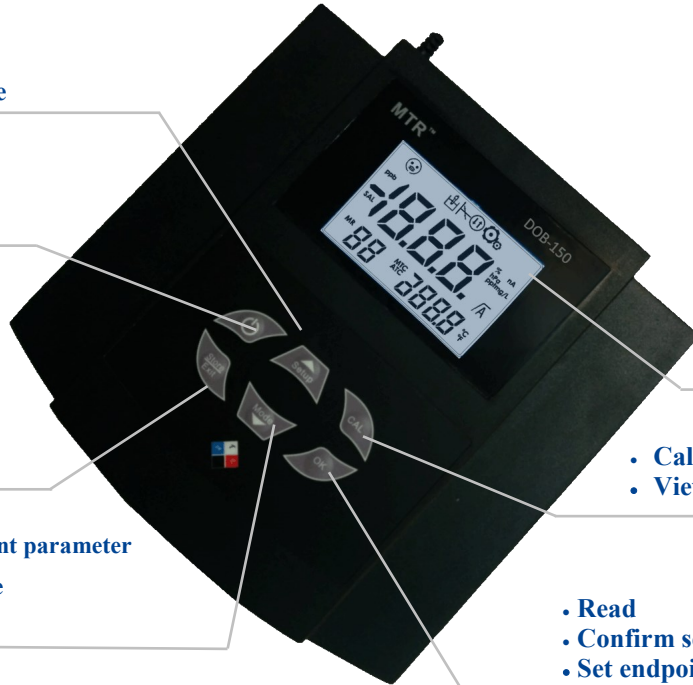
### • Unique keyboard features

- Parameter settings
- Up key to select a value

- Turn on / off

- Saved of measured data
- View saved data
- Exit pages

- Changing the measurement parameter
- Down key to select a value
- Move to the settings page



- LCD screen

- Calibration
- View calibration data

- Read
- Confirm settings
- Set endpoint

### • Unique screen features

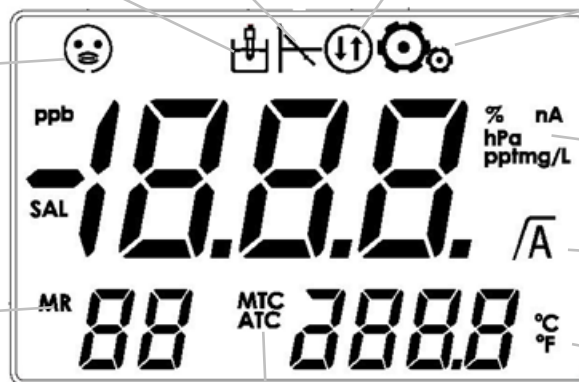
- Measurement status

- Electrode condition (sensor life)

- List of fault
- saved information

- Calibration status

- Data status output



- Parameter settings

- Measurement mode
- Unit of measurement
- Measured value

- Automatic reading
- Automatic endpoint

- Sample temperature

- MTC and ATC manual and automatic temperature compensation respectively

### • Device input and output connectors

- DO sensor connector

- Temp sensor connector



- Power cable input

- Printer output