



Laboratory pH/ORP and Temperature Analyzer

This device is a digital pH/ORP meter capable of measuring and displaying pH in the range of -2.00~16.00 with an accuracy of 0.01, ORP in the range of -1999~1999 mV with an accuracy of 1 mV, temperature in the range of -5~105 °C with an accuracy of 0.1°C is .

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

This device is used to measure the pH/ORP of aqueous solutions (drinking water, urban 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, which gives the customer the freedom to choose the desired sensors.

Features

- Ability to measure and display temperature, pH and ORP at the same time.
- Equipped with a standard base to hold several electrodes with adjustable height and direction.
- Ability to measure pH/ORP of ultrapure water and water containing various pollutants.
- pH/ORP calibration capability in three single-point, two-point and three-point modes.
- The ability to connect all types of glass, polymer and corrosion-resistant plastic electrodes with automatic temperature compensation for correct and accurate measurements of corrosive chemical solutions.
- Ability to record and save measurement results up to 198 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.

PHB-150



Specifications

Measurement range	pH	-2.00~16.00
	ORP	-1999~1999 mV
	Temperature	-5~105 °C
Accuracy	pH	0.01
	ORP	1 mV
	Temperature	0.1 °C
Measurement Fault Electronics unit	pH	±0.01
	ORP	±1 mV
	Temperature	±0.3 °C
Calibration	1 point, 2 point and 3 point	
pH isoelectric point	7.00	
Buffer solutions	Ability to calibrate with 8 groups of international standards	
Power supply	DC5V/1 W	
Size/Weight	200×210×70 mm/0.5kg	
Display	LCD	
pH sensor input	BNC,R>10e + 12 Ω	
Temperature input	RCA (Cinch), NTC30 KΩ	
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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Laboratory Analyzer of DO and Temperature

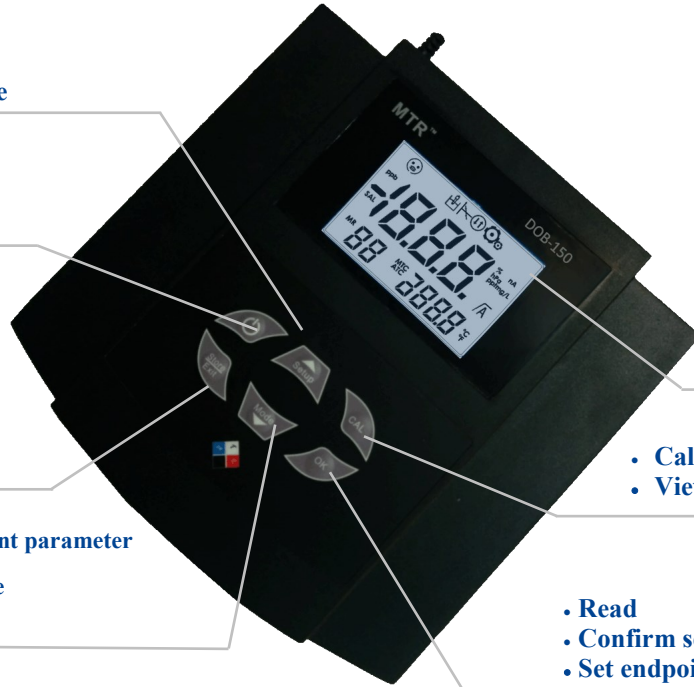
• Unique keyboard features

- 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

- Calibration status

- Data status output

- Electrode condition (sensor life)

- Parameter settings

- Measurement mode

- Unit of measurement

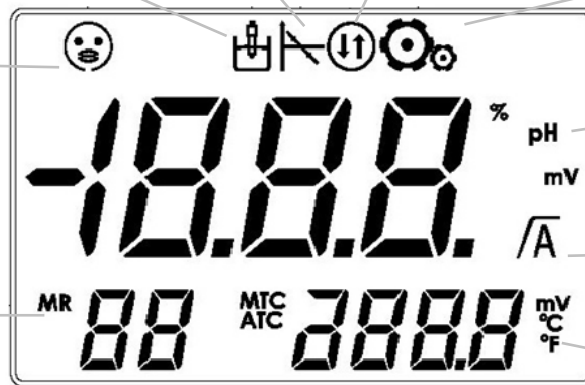
- Measured value

- 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

- pH sensor connector

- Power cable input

- Temp sensor connector

- Printer output

