

QC- Series Digital Dissolved Oxygen (DO) Meter



Application:

Laboratory bench Dissolved Oxygen meter, which is suitable for aquaculture, water source monitoring, waste water treatment and environmental protection monitoring and other industries, also widely used in education and scientific research fields.

Main Features

- 7-inch color capacitive screen with high resolution (1024*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English operating system, humanized design with adjustable screen brightness.
- Built-in big memory can store 1000 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.

- DO mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- Bench DO meter is polarographic instrument and suggested to be used with our magnetic stirrer.
- With standard Bluetooth module and support wireless Bluetooth printing to make operations much easier for users. Optional PC software and cell phone APP.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Optional real time data transfer to Android cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof.

Technical Specifications:

Model	QC-71-T	QC-61-S	QC-51-L
Display	7-inch LCD screen	6.5-inch LCD screen	5.5-inch LCD screen
Parameters	Concentration, Saturation, Temperature		
DO Range	0.00 ~ 20 mg/L (ppm)		
Resolution	0.01/0.1		
DO Accuracy	±0.3%		
DO Saturation	0.0 ~ 200%		
Saturation Resolution	0.1%		
Saturation Accuracy	±2.0% FS		
Temperature Measuring Range	(-10 ~ 110) °C	(0-100) °C	
Temperature Resolution	0.1 °C		
Temperature Accuracy	±0.1 °C		5 ~ 60°C: ±0.5°C, Others: ±1.0°C
Temperature Compensation Range	(0 ~ 100) °C (automatic)		
Salinity Compensation Range	(0.0~50.0) g/L		

Air pressure Compensation Range	(80 ~ 105) kPa (automatic)		
Pressure Resolution	1		
Pressure Accuracy	±2%		
Stability	(±0.07mg/L)/1h		
Response Time	≤30s (25°C, 90% response)		
Data Storage	1000 data, external USB storage	500 data, external USB storage	300 data, external USB storage
Communication Interfaces	USB		
Working Conditions	Temperature: 5 ~ 40° Humidity: 5 ~ 85%		
Power Requirements	DC 5V/1A		
Size & Weight	240x170x70mm/600g	240x170x70mm/600g	190*130*10mm/300g

Standard Configuration:

- DO Meter : 1 unit
- Composite Electrode : 1 pc
- Rotary electrode holder : 1 pc
- 12V power adapter for instrument : 1 pc
- DO membrane cap : 3 pcs
- DO electrode electrolyte (30ml) : 1 bottle
- User manual in USB : 1 copy