



DO850/DO8500

Optical Dissolved Oxygen Meter

Reliable DO tests made Simple

State of the art Luminescent Optical DO Sensor

- Easy to use compared to the traditional electrochemical methods. No need to wait for probe polarization. No electrolyte solution.
- The probe does not consume oxygen. No limit on water flowing speed. Quick response time: it takes only 2 to 3 minutes for the readings to be stable.
- Minimal maintenance. No need to calibrate before every use.
- The service life of the luminescent cap is over 8000 hours. No need to replace the cap often.
- The special coating on the luminescent cap makes it anti-interference and unaffected by light and chemicals.
- A calibration cap comes with the probe, which allows it to be calibrated and stored in saturated air.



| | MODEL | DO850 | DO8500 |
|------------------|---------------------------|---|---|
| Dissolved Oxygen | Range | 0-200%; 0-20.0mg/L | |
| | Resolution | 0.1%, 0.01mg/L (ppm) | |
| | Accuracy | ±2% of reading or ±2% of saturation, whichever is greater; ±2% of reading or ±0.2 mg/L (ppm), whichever is greater | |
| | Calibration Points | Zero Oxygen and saturated oxygen | |
| | Temp. Compensation | 0 to 50 °C (32 to 122 °F) Automatic | |
| | Air Pressure Compensation | 60 to 120 kPa Automatic | |
| | Salinity Compensation | Manual | Automatic or Manual |
| | | | |
| Temperature | Range | 0 to 50.0 °C (32 to 122 °F) | |
| | Resolution | 0.1 °C | |
| | Accuracy | ±0.5 °C | |
| Instrument specs | Stable reading indication | Yes | |
| | Reading Auto-Lock | Yes | |
| | Display | White Backlit LCD | |
| | Data Storage | N/A | 500 groups (with time and date) |
| | Digital Clock | N/A | Yes |
| | Data Output | N/A | USB |
| | IP Rating | IP57 Waterproof rating | |
| | Power Supply | AA Batteries×3 Battery life> 200 Hours | AA Batteries×3 Battery life> 200 Hours / USB |

Intelligent Functions

- Auto temperature compensation; Auto Air Pressure Compensation
- Auto Salinity Compensation (only for DO8500)
- Large backlit LCD screen, simultaneously displaying dissolved oxygen reading and temperature. Users can switch from "mg/L & %" to "ppm & %".
- Advanced digital processing technology, which supports stable reading and auto-lock display modes
- DO8500 has a built-in digital clock and supports manual/auto data logging with USB data output.

Durable Structure Design

- IP57 Waterproof rating allows the meter to be used in harsh environments.
- Comes with a rugged carrying case, which includes a meter, an optical DO probe, and the accessories.

Foldable stand allows use as benchtop meters

