



**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

