

DO850 Optical Dissolved Oxygen Meter



Main Features

- Equipped with a state-of-the-art optical oxygen sensor: reliable and effortless dissolved oxygen measurement in 1-3 min
- The sensor has a service life of up to 8000 operating hours
- Easy calibration, minimal maintenance
- The special coating of the DO8032 electrode cap prevents interference and makes it resistant to light and chemicals
- Automatic compensation for temperature, atmospheric pressure, and salinity
- 500 memory groups with data output via USB
- IP57 rating: water- and dust-protected design
- Complete kit incl. sensor with 3 m cable, calibration cap, and rugged carrying case



Technical Parameters

Dissolved Oxygen (DO)	Measuring range	(0-20,00) mg/l (ppm), (0-200,0)%
	Resolution	0,01/0,1mg/l (ppm), 0,1/1%
	Accuracy	±2% of reading or ±2% of saturation, whichever is greater. ±2% of reading or ±0.2 mg/l, whichever is greater.
	Response time	≤30 s (25°C, 90% response)
	Calibration Points	Saturation point & zero oxygen
	Temp.-Compensation	Automatic, (0 to 50)°C
	Pressure compensation	Automatic, (60 to 120) kPa
	Salinity compensation	Manual, (0 to 45) ppt
Temperature	Measuring range	0 to 50 °C
	Resolution	0,1 °C
	Accuracy	±0,5 °C
Other	Batteries	AA × 3 (1,5V×3)
	IP rating	IP57
	Dimensions	88×170×33 mm (with case 360×270×76 mm)
	Weight	313 g (with case 1,3 kg)
	Product certification	RoHS, CE & ISO9001:2015

What's in the Kit

DO8500 Meter	1
DO803 Optical Dissolved Oxygen Electrode	1
Conductivity electrode 2301-3M	1
Electrode calibration cap	1
Electrode clip	1
Small screwdriver	1
Sponge water reservoir (spare)	1
PC-Link CD	1
USB cable	1
Manual	1
Carrying case	1