



Oxygen meter

O₂ - Barometric pressure - Temperature - GLP - Datalogger



1885 Oxygen meter (optical) with LDO sensor and accessories in case. Measuring range: DO: 0.0 ... 50 mg/l (0.01/0.1 mg/l); saturation: 0.0 ... 400% (0.1/1%); barometric pressure: 0 ... 1100 mbar; temperature: -10 ... +110.0 °C.

Professional portable oximeter with innovative backlit high-resolution colour display for excellent data view in all conditions thanks to the possibility of automatically and manually adjusting the contrast and lighting of the display. Automatic calibration up to two points (0% - 100%). Automatic compensation of temperature and barometric pressure, manual salinity. Measurement stability indicator and possibility to select 3 stability levels. All operations are constantly monitored and reported to the operator via the colored LED above the display and the self-diagnosis messages.



GLP functions: Date and time, recall of calibration data and function "Calibration due".
 Datalogger stores up to 1000 data, automatic and manual, PC connection via micro-USB
 Data-Link + software available from website www.xsinstruments.com.
 Automatic brightness regulation for longer battery life.

The Data-Link + software allows remote control of the instrument in measure mode. It shows all information relating to the instrument and calibrations, data export at the end of the analysis (also in Excel and PDF format) and the display of measurements in the table and in graphic.

Meas. range dissolved O ₂	0.00 ... 50.0 mg/l	Resolution	± 0.1 °C
Resolution	0.01 (< 20.00 mg/l) / 0.1 (> 20.0 mg/l)	Accuracy	± 0.5 °C
Accuracy	± 0.2 < 10 mg/l-ppm ± 0.3 from 10 to 20 mg/l-ppm ± 5% > 20 mg/l-ppm	Temperature compensation	Yes, only automatic
Meas. range O ₂ saturation	0.0...199.9 % / 200...400%	Salinity compensation	Yes, manual
Resolution	0.1 / 1%	GLP	Yes
Accuracy	± 10%	Calibration due	Yes
Calibration point	1 or 2 automatic	Internal memory	1000 data
Calibr. point indication	Yes	Display	High definition backlit colour LCD
Calibration report	Yes	Brightness adjustment	Automatic
Meas. range barom. pres.	0 ... 1100 mbar	IP protection	IP 57
Resolution	1 mbar	Output	Micro USB
Accuracy	± 0.5%	Power supply	3 batteries AA 1,5 V / power 5 V
Auto. pres. compensation	Yes	Working conditions	T= 0 ... +45 °C / H = < 95 %
Meas. range temperature	-10.0 ... 110.0 °C	Dimensions / Weight	185 x 85 x 45 mm / 400 g

Accessories

- 188501 Diaphragm for LDO sensor 188502
- 188502 LDO sensor 0.0 ... 50 mg/l (0.01 / 0.1 mg/l) with built-in temperature sensor with 2 m cable for oxygen meter