

SD 400 Oxi L



New: Allows the measurement of dissolved oxygen at an advanced level

Applications & Users

Applications

- Waste Water / Water Treatment
- Marine Water
- Surface Water
- Drinking/ Potable Water

Users

- Sewage plants
- Medical research and development
- Institutes, Universities, Schools
- Water protection control
- Laboratories
- Aquaristic/ Fishkeeping

Highlights

- Luminescence-Technology
- High Accuracy
- Drift-free, optical measurement
- Easy, intuitive handling
- Matches BOD bottles

The SD 400 Oxi L allows the measurement of dissolved oxygen at an advanced level.

The determination of dissolved oxygen in water is based on the optical technology of luminescence.

This technology offers concrete advantages concerning low maintenance, easy calibration and a fast response combined with high accuracy.

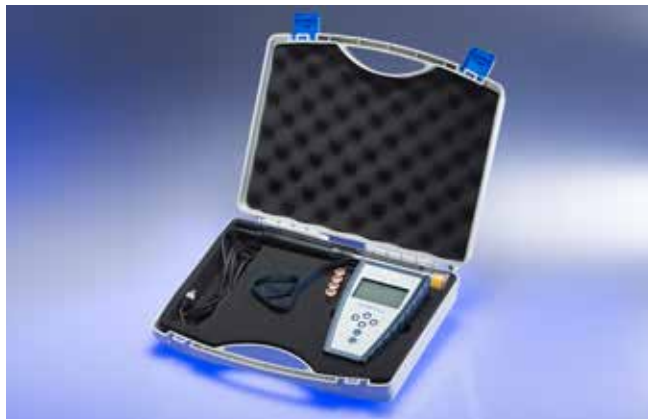
Features SD 400 Oxi L

For oxygen measurement based on luminescence there is no electrolyte required. So it is not necessary to refill the sensor which makes maintenance easy.

- High accuracy
- No sample flow is needed
- Low maintenance
- No costs caused by electrolyte
- No pollution of ambient medium
- Long-life sensor membrane
- Insensitive to toxic gases

Additional features of SD 400 Oxi L

- Waterproof sensor IP 67
- Backlit LCD
- Internal data storage
- Software for monitoring and storage of data
- Mini-USB-port
- Matches Karlsruhe bottles NS 19 / 26 (16,4 mm ø and above)



Delivery Content

Order Code: 4740000, SD 400 Oxi L, Set 1 with 1.5 m cable
instrument, 4 (AA) batteries, optical DO-probe with 1.5 m cable, bottle for storage and calibration, Micro-SD-Card with calibration data, software and full user manual, quick start guide and lanyard in case

Order Code: 4740010, SD 400 Oxi L, Set 2 with 3 m cable
instrument, 4 (AA) batteries, optical DO-probe with 3 m cable, bottle for storage and calibration, Micro-SD-Card with calibration data, software and full user manual, quick start guide and lanyard in case

Order Code: 4740020, SD 400 Oxi L, Set 3 with 10 m cable
instrument, 4 (AA) batteries, optical DO-probe with 10 m cable, bottle for storage and calibration, Micro-SD-Card with calibration data, software and full user manual, quick start guide and lanyard in case

Measuring ranges

Oxygen	0 - 50 mg/l
- saturation	0 - 500 %
- temperature	-5 to 50 °C
- barometer	51 to 112 kPa

Resolution

Oxygen	0.01 mg/l
- saturation	0.1 %
- temperature	0.1 °C
- barometer	0.1 kPa

Accuracy

Oxygen	0 to 200% or 0 - 20mg/l: ± 1.0% of the reading or ± 0.1 mg/l whichever is greater > 200% or > 20mg/l: ± 10% of reading
- temperature	± 0.2 °C
- barometer	± 0.2%

Technical data

Probe	Optical DO
Protection class	IP 67 (sensor)
Display	Large LCD display
Data Memory	Auto or manual data memory, Micro SD-card
Data Logger	Software for monitoring and storage of data
Software	included in instrument
Interface	Mini-USB
Power off	After 10 minutes or manual off
Power Supply	Mini-USB or 4 x AA batteries
Salinity	0... 50 ppt, auto compensation (with manual input salinity)
Response time	40 sec. to 90 % of final reading
Storage temperature	-5 °C to 50 °C
Working temperature	-5 °C to 50 °C
Dimensions	162 x 98 x 54 mm (L x W x H) instrument only
Weight	approx. 314 g (unit incl. batteries)
Languages	German, English, Italian, French, Spanish, Portuguese, Dutch, Chinese (simplified)

CE-Conformity

Accessories

Item	Code
Optical probe with 1.5 m cable and bottle for storage and calibration	740060
Optical probe with 3 m cable and bottle for storage and calibration	740070
Optical probe with 10 m cable and bottle for storage and calibration	740080
SD 400 Oxi L basic instrument	4740030
Data Transmission Kit (consists of USB-cable and wall mount adapter)	740090
Maintenance Kit (consists of membrane cap and Micro SD card with software and calibration data)	740100
Metal guard (as protection and weight in field-testing)	740110
Bottle for storage and calibration	740120
Carrying case with foam	740050
Cleaning cloth	197635