

Lovibond® Water Testing

Tintometer® Group



SD400 Oxi L, Dissolved Oxygen Meter, 1.5m Cable Set 1,

Measurement of dissolved oxygen at an advanced level



- Luminescence Technology
- High accuracy
- Drift-free, optical measurement
- Easy, intuitive handling

Part Number: 740000

Modern technology

The SD 400 Oxi L uses optical luminescence technology. Your advantage: High measuring accuracy, fast response and absolutely user-friendly measuring.

Low maintenance

Thanks to luminescence technology, no electrolyte is needed. Regular refilling is therefore no longer necessary - and maintenance is reduced to a minimum.

Data management

By means of integrated software ("data logger") the collection and analysis of data is simplified.

Suitable for "dilution BOD" determination

The electrode of the SD 400 Oxi L is optimized for standard BOD bottles (NS 19/26). The device is therefore ideally suited for standard-compliant BOD determination of the dilution BOD.

Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Marine Industry | Municipalities | NGO | Oil and Gas | Pharmaceutical Industry

SD400 Oxi L, Dissolved Oxygen Meter, 1.5m Cable Set 1,

The portable SD 400 Oxi L handheld meter allows the determination of dissolved oxygen using the highly accurate optical luminescence technology. The advantages of optical oxygen determination over conventional methods are manifold:

- No need of an internal electrolyte: no additional effort, no hidden costs
- No sample flow necessary for stable sensor response
- No interferences from other gases
- Drift-free measurement ensures extremely precise results
- Low wear and low maintenance due to a long-life membrane head
- Ready for immediate use without warm-up or polarization times

Functions such as the automatic temperature, pressure and salt compensation are ideal to match individual measuring conditions and make the instrument the perfect all-rounder in water analysis. Calibration data are sensor-specific and stored on the integrated SD

card in the unit, which also contains a free software for monitoring, storing and transferring measurement data.

Measuring Range

| Test Name | Measuring Range |
|-----------|----------------------------|
| Oxygen | 0 - 50 mg/L O ₂ |

Technical Data

| | |
|------------------------------|---|
| Measuring Principle | Optical DO |
| Measuring Range | Concentration: Oxygen 0 - 50 mg/l, Saturation: 0 - 500 %, Temperature: -5 to 50 °C, Pressure: 51 to 112 kPa |
| Accuracy | Concentration: < 20 mg/l: ± 1% MW oder 0,1 mg/l > 20 mg/l: ± 10% MW Saturation: < 200 %: ± 1% MW oder 0,1 % > 200 %: ± 10% MW Temperature: ± 0,2 °C |
| Display | Large LCD display with backlight |
| Interfaces | Micro-USB |
| Data Logger | Software for monitoring and storage of data |
| External Storage | Micro SD card |
| Power Supply | Micro-USB 4 batteries (AA) |
| Portability | Portable |
| Compliance | CE |
| Dimensions | 3.86 x 2.13 x 6.38" |
| Weight with Packaging | (unit incl. batteries) |

Accessories

| Title | Part Number |
|--|-------------|
| Cleaning cloth | 197635 |
| Carrying case with foam for SD400 Oxi L | 740050 |
| Optical DO-probe with 1.5m cable, bottle for storage and Micro-SD-card with calibration data | 740060 |
| Optical DO-probe with 3m cable, bottle for storage and Micro-SD-card with calibration data | 740070 |
| Optical DO-probe with 10m cable, bottle for storage and Micro-SD-card with calibration data | 740080 |
| Data Transmission Kit (consists of USB-cable and wall mount adapter) | 740090 |
| Maintenance Kit (membrane cap and Micro SD-card with calibration data) | 740100 |
| Metal guard | 740110 |
| Bottle for storage and calibration | 740120 |

Delivery Scope

- Instrument
- 4 (AA) batteries
- Optical DO probe with 1.5 m cable
- Bottle for storage and calibration
- Micro SD Card with calibration data
- Data Acquisition Software (included on micro SD card or [Download](#))
- Full user manual (printed version and included on micro SD card)
- Metal guard
- Micro USB cable for power supply and data acquisition
- Lanyard
- in case

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