

Lovibond® Water Testing

Tintometer® Group



SD 400 Oxi L (Set 2)

Optical determination of dissolved oxygen - precise and fast measurement results



- Luminescence technology
- High accuracy
- Low maintenance
- Drift-free, optical measurement

Part Number: 740010

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

SD 400 Oxi L (Set 2)

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 polarisation 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
Auto – OFF	Yes
External Storage	Micro SD card
Power Supply	Micro-USB 4 batteries (AA)
Portability	Portable
Environmental Conditions	-5 °C - 50 °C
Protection Class	IP 67 (Sensor)
Compliance	CE
Dimensions	98 x 54 x 162 mm
Weight	330 g (unit incl. batteries)
Weight with Packaging	(unit incl. batteries)

Accessories

Title	Part Number
Cleaning cloth	197635
Carrying case with foam for SD 400 Oxi L	740050
Optical DO-probe with 1.5 m cable, incl. bottle for storage and Micro-SD-card with calibration data	740060
Optical DO-probe with 3 m cable, incl. bottle for storage and Micro-SD-card with calibration data	740070
Optical DO-probe with 10 m cable, incl. 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 3 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

Tintometer GmbH

Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
sales@lovibond.com
www.lovibond.com
Germany

The Tintometer Limited

Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
sales@lovibond.uk
www.lovibond.com
UK

Tintometer China

9F, SOHO II C.
No.9 Guanghualu,
Chaoyang District,
Beijing, 100020
Customer Care China Tel.: 4009021628
Tel.: +86 10 85251111 Ext. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer South East Asia

Unit B-3-12, BBT One Boulevard,
Lebuh Nilam 2, Bandar Bukit Tinggi,
Klang, 41200, Selangor D.E
Tel.: +60 (0)3 3325 2285/6
Fax: +60 (0)3 3325 2287
lovibond.asia@tintometer.com
www.lovibond.com
Malaysia

Tintometer Brazil

Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@lovibond.us
www.lovibond.com.br
Brazil

Tintometer Inc.

6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@lovibond.us
www.lovibond.us
USA

Tintometer India Pvt. Ltd.

Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@lovibond.in
www.lovibondwater.in
India

Tintometer Spain

Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spain