

# Lovibond® Water Testing

## Tintometer® Group



### SD 400 Oxi L (Set 1)

Optical determination of dissolved oxygen - precise and fast measurement results



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

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

#### SD 400 Oxi L (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 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 <sub>2</sub>

## Technical Data

<b>Measuring Principle</b>	Optical DO
<b>Measuring Range</b>	Concentration: Oxygen 0 - 50 mg/l, Saturation: 0 - 500 %, Temperature: -5 to 50 °C, Pressure: 51 to 112 kPa
<b>Accuracy</b>	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
<b>Display</b>	Large LCD display with backlight
<b>Interfaces</b>	Micro-USB
<b>Data Logger</b>	Software for monitoring and storage of data
<b>Auto – OFF</b>	Yes
<b>External Storage</b>	Micro SD card
<b>Power Supply</b>	Micro-USB 4 batteries (AA)
<b>Portability</b>	Portable
<b>Environmental Conditions</b>	-5 °C - 50 °C
<b>IP Rating</b>	IP 67 (Sensor)
<b>Compliance</b>	CE
<b>Dimensions</b>	98 x 54 x 162 mm
<b>Weight</b>	330 g (unit incl. batteries)
<b>Weight with Packaging</b>	(unit incl. batteries)

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 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

---

**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  
sales@lovibond.uk  
www.lovibond.com  
UK

**Tintometer China**

9F, SOHO II C. No.9 Guanghualu,  
Chaoyang District,  
Beijing, 100020  
Customer Care Tel.: +86 (021) 69910081  
Tel.: +86 10 85251111 Ext. 330  
Fax: +86 10 85251001  
chinaoffice@tintometer.com  
www.lovibond.com  
China

**Lovibond Tintometer Sdn Bhd**

Unit B-3-12, BBT One Boulevard,  
Lebuh Batu Nilam 2, Bdr Bkt Tinggi,  
41200, Klang, Selangor,  
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, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> 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