

Lovibond® Water Testing

Tintometer® Group



GLP features
Easy calibration against air
Data storage
Auto hold function
Backlit display
Alarm function
(Min/Max)



SD 310 Oxi

The portable meter SD 310 Oxi meets the day-to-day demands for sturdy and reliable measurement of dissolved oxygen and completes the SD 300 series

Parameter

- Dissolved oxygen (O₂)
- O₂-Concentration in mg/l
- O₂-Saturation in %
- Temperature in °C/°F

Applications

- Drinking/ potable water
- Waste Water
- Surface Water

Users

- Water Treatment Companies
- Industrial and Governmental Laboratories
- Sewage Plants
- Water Protection Control

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Technical Data

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| O₂ concentration | 0.0 ... 70.0 mg/l |
| O₂ partial pressure | 0 ... 1200 hPa O ₂ 0.0 ... 427.5 mm Hg |
| O₂ saturation | 0 ... 600 % |
| Ambient air pressure | 10 ... 1.200 hPa abs. |
| Sensor temperature | - 5 ... 50 °C = 23 ... 122 °F |
| Accuracy O₂ concentration | 0 ... 25 mg/l ± 1.5% ± 0.2 mg/l 25 ... 70 mg/l ± 2.5% ± 0.3 mg/l |
| Temperature accuracy | ± 0.1 °C |
| Ambient air pressure accuracy | 3 hPa bzw. 0.1 % full scale (higher value relevant) |
| Ambient conditions sensor | 0 to 40 °C = 32 to 104 °F 0 to 95% relative density (non-condensing) |
| Storage temperature | Instrument: - 25 ... 70 °C = - 13 ... 158 °F Sensor: 0 ... 40 °C = 32 ... 104 °F |
| Nominal temperature | 25 °C |
| Display | Backlit LCD |
| Data storage | 1,000 data sets manually 8,000 data sets cyclically |
| Power supply | 2 x AAA Batteries |
| Dimensions | 164 x 98 x 37 mm (H x W x D) protective armouring |
| Weight | 287 g incl. batteries and protective armouring |
| Power consumption | 6.25 mA (with Out = Off, corresponding to 160 h), backlight: 10 mA (switches off automatically) |
| Auto-Off | 0 - 120 minutes |
| Electrode connection | 7-pin bayonet connection. Interface/ext. supply: 4-pin bayonet connection for serial interface and supply |

CE-Conformity

Features

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| Measurement of: Oxygen partial pressure, Oxygen Concentration, Oxygen Saturation, Temperature measurement |
| Automatic absolute air pressure measurement |
| Auto Hold Function |
| Alarm Function |
| Data Logger + Software |
| Easy calibration against oxygen in air |
| Salinity correction |
| Self-polarising galvanic oxygen probe (Clark), allows instant measurement after system is switched on |
| Low battery and battery change indicator |
| Sensor evaluation after calibration in the display |
| Shock-absorbing rubber protective armouring |
| Waterproof IP 65 and IP 67 |

SD 310 Oxi

The portable meter SD 310 Oxi meets the day-to-day demands for sturdy and reliable measurement of dissolved oxygen and completes the SD 300 series.

The well-known Clark-oxygen-sensor with integrated temperature compensation allows instant measurement without the need for time-consuming polarisation.

A direct, convenient user interface facilitates meter operation both outdoors and in the laboratory.

The automatic hold function "freezes" measuring data in the display, and makes them easy to read.

The internal memory allows storage of up to 1,000 data sets. Also an internal data logger enables continuous monitoring of measurement results. Monitoring becomes even more convenient with the alarm function.

The water-tight housing (IP 65 & IP 67) together with the rugged and protective armour ensures reliable operation even in extreme ambient conditions.

The support can be flipped up to hang the meter on pipes or branches or for fastening to a belt.

