

# Lovibond® Water Testing

## Tintometer® Group



### SD305 pH/ORP Meter, Set 2

Waterproof Hand-held Meters for the determination of pH/Redox/Temperature Conductivity, TDS, Salinity, Temperature

Dissolved oxygen (O<sub>2</sub>) O<sub>2</sub> -Concentration O<sub>2</sub> -Saturation Temperature



- Rugged, water resistant (IP 67)
- PC interface (USB / serial or analog)
- Automatic buffer detection (SD 300 pH)
- Data logger and alarm function (min./ max.)

Part Number: 724641

#### Technically advanced

A particularly high resolution (0.001 pH / 0.1 mV) for maximum accuracy, automatic temperature compensation and buffer detection are further features of the SD 305 pH/ORP.

#### User-friendly Handling

The comfortable handling is completed by a large, backlit display. So you have the measurement results directly in view in every situation.

#### Data management

Data collected by the data logger can be transferred to the computer via USB interface (serial or analogue).

#### Housing

The protective reinforcement not only guarantees safe working at all times, even in extreme environmental conditions. The stand attached to the back of the housing can also be used as a hanger or belt clip.

#### Additional equipment

Battery and electrode status indication, battery replacement indicator, auto-off, auto-hold, min./max. Value memory are also included as functions.

#### Industry

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

#### Application

Boiler Water | Cooling Water | Drinking Water Treatment | Pool Water Control | Waste Water Treatment

#### SD305 pH/ORP Meter, Set 2

Portable handheld instrument for the determination of pH values. It is reliable, waterproof (IP67) and robust, making it an ideal solution for on-site analysis.

#### Measuring Range

| Test Name   | Measuring Range     |
|-------------|---------------------|
| pH          | -2 - 16             |
| Redox       | -1999.9 - 1999.9 mV |
| Temperature | -5 - 150 °C         |

## Technical Data

|                                 |  |
|---------------------------------|--|
| <b>Display</b>                  | Backlit LCD  |
| <b>Interfaces</b>               | USB  |
| <b>Data Logger</b>              | Manual Logger: 1000 data sets (single value by keystroke). Auto. Logger: 10000 data sets (cyclic, time interval: 1 - 3600 s) |
| <b>Calibration</b>              | automatic or manual 1-, 2, or 3-point calibration  |
| <b>Battery Life Time</b>        | 500 h  |
| <b>Portability</b>              | Portable   |
| <b>Compliance</b>               | CE   |
| <b>Languages User Interface</b> | German, English, French, Spanish, Italian, Portuguese, Dutch, Chinese  |
| <b>Dimensions</b>               | 5.04 x 6.46 x 1.46"  |

## Delivery Scope

- Instrument in protective armouring including electrode holder
- pH electrode type 226 (order code 721226)
- Temperature sensor PT 1000 (order code 721245)
- pH-buffer-set (pH 4.01/7.00/10.01)
- Storage Solution for pH/ORP
- Batteries
- Instruction Manual
- Warranty information
- in case

| Title   | Part Number |
|---|-------------|
| Redox calibration solution, 470 mV, 100ml   | 195070      |
| pH electrode, plastic/gel, type 226, without temperature sensor, BNC-plug                     | 721226      |
| pH/temp. electrode, type 231, plastic/gel/temp. NTC30k Ohm, BNC-plug for SD300 / SD305 pH     | 721231      |
| pH electrode glass/gel, type 235, BNC-plug for SD300 and SD305 pH, without temperature sensor | 721235BNC   |
| Redox electrode, plastic/gel, BNC-plug, 1m cable  | 721242      |
| Pt1000, temperature sensor, metal, diameter 3mm   | 721246      |
| pH Buffer solution 4.01 (25 °C) red, 90ml traceable to NIST                                   | 721247      |
| pH-Buffer solution 7.00 (25 °C) yellow, 90ml traceable to NIST                                | 721248      |
| pH-Buffer solution 10.01 (25 °C) blue, 90ml traceable to NIST                                 | 721249      |
| pH-Buffer solution Set pH 4, pH 7, pH 10 (25 °C), 90ml  | 721250      |
| pH Buffer solution 4.01 (25 °C) red, 1L traceable to NIST                                     | 721252      |
| pH-Buffer solution 7.00 (25 °C) yellow, 1L traceable to NIST                                  | 721254      |
| pH-Buffer solution 10.01 (25 °C) blue, 1L traceable to NIST                                   | 721256      |
| USB cable, for connection to a computer for SD300/SD305                                       | 724620      |
| GSOFT 3050 Windows-Software with logger for SD300 / SD305 series                              | 724625      |
| Case incl. foam for SD 305 series   | 725070      |
| 3 M KCl Storage Solution for pH/ORP, 25ml   | 726402      |
| 3 M KCl Storage Solution for pH/ORP, 100ml  | 726404      |

### 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, 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