

Lovibond® Water Testing

Tintometer® Group



SD 305 pH/ORP (Set 1)

Waterproof Hand-held Meters for the determination of pH/Redox/Temperature



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

Part Number: 724640

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

SD 305 pH/ORP (Set 1)

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 | -2000.0 - 2000.0 mV |
| Temperature | -5 - 150 °C |

Technical Data

| | |
|---------------------------------|---|
| Display | Backlit LCD |
| Interfaces | USB |
| Data Logger | Manual Logger: 1000 data sets (single value by key-stroke). Auto. Logger: 10000 data sets (cyclic, time interval: 1 - 3600 s) |
| Auto – OFF | Yes |
| Calibration | automatic or manual 1-, 2, or 3-point calibration |
| Power Supply | 2 AAA batteries Micro-USB |
| Battery Life Time | 500 h |
| Portability | Portable |
| Temperature Compensation | Automatic |
| Protection Class | IP 67 |
| Compliance | CE |
| Languages User Interface | German, English, French, Spanish, Italian, Portuguese, Dutch, Chinese |
| Dimensions | 128 x 164 x 37 mm |
| Weight | 287 g |

Delivery Scope

- Instrument in protective armoring including electrode holder
- pH/temp. plastic-electrode type 231 (order code 721231)
- 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, 100 ml | 195070 |
| pH electrode, plastic/gel, type 226, without temperature sensor, BNC-plug | 721226 |
| pH/temp. electrode, type 231, plastic/gel/temp. NTC30kOhm, BNC-plug for SD 300 / SD 305 pH (SET 1) | 721231 |
| pH electrode glass/gel, type 235, without temperature sensor, BNC-plug for SD 300 / SD 305 pH | 721235BNC |
| Redox electrode, plastic/gel, BNC-plug, approx. 1 m cable | 721242 |
| Pt 1000, temperature sensor, metal, diameter 3 mm (SET 2) | 721246 |
| pH Buffer solution 4,01 (25 °C) red, 90 ml traceable to N.I.S.T | 721247 |
| pH-Buffer solution 7,00 (25 °C) yellow, 90 ml traceable to N.I.S.T. | 721248 |
| pH-Buffer solution 10,01 (25 °C) blue, 90 ml traceable to N.I.S.T. | 721249 |
| pH-Buffer solution Set pH 4, pH 7, pH 10 (25 °C), 90 ml | 721250 |
| pH Buffer solution 4,01 (25 °C) red, 1 ltr.traceable to N.I.S.T | 721252 |
| pH-Buffer solution 7,00 (25 °C) yellow, 1 ltr. traceable to N.I.S.T. | 721254 |
| pH-Buffer solution 10,01 (25 °C) blue, 1 ltr. traceable to N.I.S.T | 721256 |
| USB cable, for connection to a computer for SD 300 / SD 305 | 724620 |
| GSOFT 3050 Windows-Software with logger for SD 300 / SD 305 series | 724625 |
| Case incl. foam for SD 305 series | 725070 |
| 3 M KCl Storage Solution for pH/ORP, 25 ml | 726402 |
| 3 M KCl Storage Solution for pH/ORP, 100 ml | 726404 |

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