

Lovibond® Water Testing Tintometer® Group



BD 600

Accurate, automatic and direct control of your wastewater samples



- User friendly
- Large brilliant graphic display
- Graphical representation of measured values
- USB & SD Card interface

Part Number: 2444460

The BD 600 is the ideal system for process control or as a secondary test to the Dilution Method. Using a respirometric system solves many of the issues associated with the dilution method for BOD analysis.

Significantly Reduced Sample Preparation

It's easy to begin collecting data - simply add sample to the bottle, add nitrification inhibitor and place the sensor head on the bottle. There is no need for sample dilutions or seeding the sample. Because this is a respirometric test, concerns regarding air in the sample are eliminated.

Operators do not have to be present at completion of test

Measurements are automatically taken and stored at regular time intervals and can be recalled at your convenience - no more weekend trips to the lab or plant!

Easy and quick interpretation of measurement values

In addition to displaying results of a sample directly in mg/L BOD, the large, integrated, display is able to display the BOD curve which makes it easy to see and understand measurement data points and trends. In addition, each sensor head has an integrated LED. This allows operators to visually confirm which sample the data is being displayed for and reduces potential confusion or errors over which sample data is presented

Consistent Measurement Conditions

The Automatic Start Function ensures all measurements are taken at an equal sample temperature. When the measurement conditions are consistent across readings, operators do not have to work about temperature or pressure fluctuations skewing results.

Sample Identification and Tracking

The BD 600 interface, makes it easy to assign an identification code or sample name when setting up a new sample. This helps track a sample from the time it is collected and ensures traceability during sample measurement.

Use the remote control

If using an incubator with a glass door, operators can use the supplied remote control to display measurement data for a sample - without even opening the door! This further ensures that samples stay at a consistent temperature which is essential to accurate results.

Industry

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

Application

Waste Water Treatment

BD 600

The BD 600 is a respirometric system for the determination of Biochemical Oxygen Demand (BOD). Save time, reduce the potential for errors and easily interpret data to help make process control decisions for your plant.

Measuring Range

| Test Name | Measuring Range |
|-----------|-------------------|
| BOD | 0 - 40 mg/L BOD |
| BOD | 0 - 80 mg/L BOD |
| BOD | 0 - 200 mg/L BOD |
| BOD | 0 - 400 mg/L BOD |
| BOD | 0 - 800 mg/L BOD |
| BOD | 0 - 2000 mg/L BOD |
| BOD | 0 - 4000 mg/L BOD |

Technical Data

| | |
|------------------------------|--|
| Display | backlit |
| Interfaces | USB SD-Card |
| Measuring Principle | Manometric; mercury-free; electronic pressure sensor |
| Measuring Range | 0-40, 0-80, 0-200, 0-400, 0-800, 0-2000, 0-4000 mg/l |
| Measurement Time | User-selectable, between 1 and 28 days |
| Power Supply | 100 - 240 V / 50-60 Hz 3 alkali-manganese batteries (Baby cells/ size C) |
| Auto – OFF | No |
| Clock | Real Time Clock and Date |
| Portability | Benchtop |
| Autostart | Yes |
| Measuring Stations | 6 |
| Compliance | CE EMC according to DIN EN 61326 |
| Protection Class | IP 53 |
| Dimensions | 181 x 230 x 375 mm |
| Weight | 4.1 kg (4100 g, unit with bottles & batteries 5775 g, complete with stirring unit) |
| Weight with Packaging | (4100 g, unit with bottles & batteries 5775 g, complete with stirring unit) |

Delivery Scope

- BD 600 with 6 sensor heads,
- Control unit with batteries,
- Power supply unit incl. Y-cable for common power supply of BD 600 and stirring unit
- Inductive stirring unit
- Incl. standard accessory consists of:
 - 6 Sample bottles
 - 6 Rubber gaskets
 - 6 Magnetic stirring rods
 - 50 ml potassium hydroxide solution 45%
 - 50 ml nitrification inhibitor solution
 - 1 Overflow measuring flask 157 ml
 - 1 Overflow measuring flask 428 ml
 - 1 Remote control
 - Manual
 - Guarantee sheet
 - 100 - 240 V / 50 - 60 Hz

Accessories

| Title | Part Number |
|---|-------------|
| Test set for checking the system (10 tablets) | 2418328 |
| Potassium hydroxide solution 45% | 2418634 |
| Nitrification inhibitor | 2418642 |
| Inductive Stirring Unit | 2444456 |
| BOD sensor | 2444470 |
| Y-cable | 2444475 |
| Remote control | 2444481 |
| USB cable 3 m | 2444482 |
| Magnetic stirring rod | 418633 |
| Rubber gasket, 4.5 cm | 418638 |
| Magnetic stirring rod remover | 418638 |
| BOD Sample flask, brown glass, 500 ml | 418644 |
| 6 BOD Sample flasks, brown glass | 418645 |
| Complete Set Overflow measuring flasks | 418654 |
| Overflow measuring flask 56 ml | 418655 |
| Overflow measuring flask 94 ml | 418656 |
| Overflow measuring flask 157 ml | 418657 |
| Overflow measuring flask 244 ml | 418658 |
| Overflow measuring flask 360 ml | 418659 |
| Overflow measuring flask 428 ml | 418660 |
| Overflow measuring flask 21.7 ml | 418664 |
| Power supply unit for inductive stirring unit | 444454 |

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