

Lovibond® Water Testing

Tintometer® Group



BD 600 GLP

Respirometric measuring system optimized for biodegradability tests under GLP conditions



- Good Laboratory Practice compliant
- For OECD 301F and BOD testing
- Protected life time data memory (1 GB)
- Extended measurement duration up to 90 days possible

Part Number: 2444461

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 is 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 GLP

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

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
Display	backlit
Interfaces	USB
Auto – OFF	No
External Storage	USB
Internal Storage	1 GB or up to 50000 measurement or calibration series
Measurement Time	Selectable: 5, 28, 60 and 90 days possible
Power Supply	100 - 240 V / 50-60 Hz 3 alkali-manganese batteries (Baby cells/ size C)
Clock	Real Time Clock and Date
Portability	Benchtop
Autostart	No
Measuring Stations	6
Storage Interval	- every 2 hours (5 days) - every 12 hours (28 days) - every 24 hours (60 days) - every 24 - 48 hours (90 days)
Protection Class	IP 53
Compliance	CE EMC according to DIN EN 61326
Dimensions	181 x 230 x 375 mm
Weight with Packaging	(4100 g, unit with bottles & batteries 5775 g, complete with stirring unit)

Delivery Scope

- BD 600 GLP with 6 sensor heads
- Control unit with batteries
- Power supply unit incl. Y-cable for common power supply of BD 600 GLP 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 GLP	2444470-GLP
Y-cable	2444475
Remote control	2444481
USB cable 3 m	2444482
Magnetic stirring rod	418633
Magnetic stirring rod, 100 pc.	418633-100
Rubber gasket, 4.5 cm	418636
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
Rubber gasket GLP, 6.5 cm	418676
Power supply unit for inductive stirring unit	444454
BD 600 GLP Sensor Certification	999610-GLP

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