



## BOD-Measurement-System BD 600

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BOD measurement is an important measurement of the effects of domestic and industrial waste water on sewage plants and outflow points. The sensor system BD 600 is a 6 sample system that allows precise measurements of BOD based on the manometric principle. Manometric respirometers relate oxygen uptake to the change in pressure caused by oxygen consumption while maintaining a constant volume. Due to the modern integral pressure sensors, it is not necessary to use mercury for the measurements. The BOD values are stored automatically in the sensor memory at regular intervals and can be called up on the large-format display at any time without the need for time-consuming conversion using factors. This means that test series that end on a Sunday can be evaluated during the following week without any problem. Measurement series can be stored on USB stick/ SD card or transferred via USB cable to evaluate the data on a computer. The measurement period is user-selectable between 1 and 28 days to suit the application. While short measurement periods are useful for scientific applications, standard BOD measurements typically extend over a period of 5 days - and manometric determination of OECD, for example, generally takes place over a period of 28 days.



#### Scope of supply:

- BD 600, complete unit with 6 or 12\* sensor heads and control unit with batteries
- Power supply unit incl. Y-cable for common power supply of BD 600 and stirring unit
- Inductive stirring unit
- 6 or 12\* sample bottles
- 6 or 12\* rubber gaskets
- 6 or 12\* magnetic stirring rods
- 1 overflow flask, 157 ml
- 1 overflow flask, 428 ml
- 1 bottle, 50 ml potassium hydroxide solution
- 1 bottle, 50 ml nitrification inhibitor solution
- 1 instruction manual



-remote control

### **Specifications**

**Measuring principle:** respirometric, electronic pressure sensor

**Ranges:** 0 - 40, 0 - 80, 0 - 200, 0 - 400, 0 - 800, 0 - 2000, 0 - 4000 mg/l O<sub>2</sub>

**Measurement period:** User-selectable, between 1 and 28 days

**Power supply:** 100-240 V, battery buffered or via power supply using Y-cable

**Protection class:** IP 54 (sensor head)

**Interface:** USB host port (USB stick), USB device port (computer), SD card

**Clock:** Real time

**Application:** BOD<sub>5</sub> / BOD<sub>F</sub> / OECD301F

Code	Description	Packaging
LLG09303438	BOD-Measurement-System BD 600, Type Kaliumhydroxid-Lösung, 50 ml, 45 %	1 pz.
LLG09303436	BOD-Measurement-System BD 600, Type BOD sample bottle, 500 ml, amber, 6 bottles	6 pz.
LLG06280155	BOD-Measurement-System BD 600, Type BD 606, with 12 bottles	1 pz.
LLG06203214	BOD-Measurement-System BD 600, Type Sensor Calibration Set, for BSB/BOD Sensor	1 pz.



Code	Description	Packaging
LLG09303433	BOD-Measurement-System BD 600, Type Nitrification inhibitor (N-ATH), liquid, bottle of 50 ml	1 pz.
LLG06268048	BOD-Measurement-System BD 600, Type BD 600, with 6 bottles	1 pz.
LLG09303437	BOD-Measurement-System BD 600, Type Köcher,	1 pz.



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