

RESPIROMETRIC BOD SYSTEM

BOD DIRECT PLUS

Applications

- Wastewater
- Analytical Laboratories
- Science & Research
- Determination of biological activity



BOD Direct Plus: Be in direct control of your BOD measurements

With a brilliant and easy to use large graphic display along with improved data transfer options, the BOD Direct plus is our most promising BOD measuring product offering to date.

Brilliant user experience

With the large and brilliant graphical display with detailed menu functionality, you can quickly and easily navigate through and measure the BOD. All in one device.

Individual monitoring and programming of samples

With LED lighting on the head of each sample bottle along with individual programming of the samples, you are always in control of how the BOD is developing for each individual sample.

Improved and comfortable data transfer with energy management

With two USB interfaces and one SD card interface, you now have multiple options of data transfer for further analysis. The BOD Direct Plus comes also with a mains power supply option (along with batteries) for permanent stability of power supply.



Be Right™

Technical Data*

Measuring principle	Respirometric; electronic pressure sensor	Power supply	Batteries: 3 alkali-manganese cells, type C / LR14
Measuring range	0 - 40, 0 - 80, 0 - 200, 0 - 400, 0 - 800, 0 - 2000, 0 - 4000 mg/L O ₂		External: 15 V DC via supplied mains adapter plug, low-voltage barrel connector, max. power requirement 600 mA
Application	BOD ₅ , BOD ₇ , OECD 301 F, etc.	Dimensions	(H x W x D) 230 mm x 181 mm x 375 mm (including stirrer unit)
Display	Graphic display, 16 grey levels, 240 pixels wide, 128 pixels high	Weight	4.1 kg with batteries and empty bottles, without mains, adapter plug, and stirrer drive
Data storage	Automatic storage up to 672 results, depending on measurement period Storage intervals: First day - hourly Second day - every 2 hours Third day and later - every 24 hours	Environmental conditions: temperature	2 - 40 °C
Automatic shutdown	Can be switched off; controlled by pressure drop in the bottle	Environmental conditions: relative humidity	5 - 80 % relative humidity (non-condensing)
Interface	USB host (only for USB stick), USB device, SD card	Protection class	Sensor head: IP54
		Certifications	CE, EMC in accordance with DIN EN 61326, basic requirements

*Subject to change without notice.

Order Information

BOD Direct Plus

LQV166.98.00001 BOD Direct Plus Respirometric BOD System. System includes power supply, bottles, USB cable, stirring and all what you need to get start using the instrument.

Accessories

LZQ172	Sensor head BOD Direct Plus
LZQ173	Y-cable BOD Direct Plus
LZQ079	Mains adapter plug
LZQ077	Inductive stirrer drive, with mains adapter
23032	Potassium hydroxide standard solution, 12.0 N, 100 mL
LZQ087	Nitrification inhibitor, 50 mL
LZQ081	BOD bottle, 500 mL
LZQ089	Seal cap (gasket)
LZQ084	Magnetic stirring bar
LZQ083	Overflow volumetric flask, 428 mL
LZQ082	Overflow volumetric flask, 157 mL
LZQ080	Thermostat cabinet

Service Agreements

Hach offers a wide range of service agreements that can be tailored to you to help maximise your measurement reliability and instrument uptime.

Contact us to get a service offering designed for you.