

BOD testing system, Lovibond BD600

Lovibond

A 6-place BOD testing system for measurements of up to 4000 mg/l. Provides precise measurements of BOD, based on the manometric principle, where no water dilution is needed. Each of the 6 positions can be started, run and measured independently. The measurement period can be selected by the user between 1 and 28 days to suit the application. The system is easy to use with no awkward tubing and can be set up in approximately 10 minutes.

The Lovibond® BD 600 features a large display for clear on-screen measurement review and graphical representation. Data is stored conveniently on an SD card and can be transferred to PC easily via USB connection. Samples can be assigned alpha-numeric IDs using the keypad whilst shortcut keys allow fast access to measurement, start and real-time BOD values.

- Direct Sample selection
- On screen Graphical and Numeric representation of results
- Accurate and direct display of BOD values in mg/l
- Live measurement display
- No sample dilution required up to 4000 mg/l
- User-selectable measurement period from 1 to 28 days
- Automatic Data Storage with date / time / optional sample ID
- Easy data export to USB / PC / SD card
- Easy to navigate menus
- Shortcut keys for quick start-up / result review
- Auto start function after temperature equalisation
- Mercury-free, environmentally friendly

Technical Specifications

Measurement Principle	Manometric; Mercury-free; electronic pressure sensor
Accuracy	0.5% full scale at 20°C
Display	128 x 240 pixel, 45 x 84 mm; backlit
Measurement Period	User selectable between 1 and 28 days
Auto Result Storage	Up to 672 results depending on measurement period
Storage Interval	Hourly (1-day BOD); 2-Hourly (2-Day BOD); Daily (3-28 days)
Automatic Start Function	After temperature equalisation of samples; selectable
Power Supply	Unit Batteries (included) or Mains Power; Stirring unit Mains only
Interface	USB; SD card; Bluetooth (optional)
Clock	Real time clock
Protection Class	IP54 (sensor head)
Dimensions	375 x 181 x 230 mm (including stirring unit)
Weight	4100g unit with bottles and batteries; 5775g including stirring unit
Housing	ABS
Measurement ranges (mg/l O ₂)	0-40; 0-80; 0-200; 0-400; 0-800; 0-2000; 0-4000

Cat. No.	Code	Description
WT/85444	2444460	6 place OxiDirect BOD unit BD 600 comprising of; BD 600 unit with 6 sensor heads and control unit Inductive stirring unit Power supply with Y-cable 6 sample bottles, rubber gaskets and magnetic stirring rods Overflow flasks 157ml and 428 ml 1 x 50 ml bottle potassium hydroxide solution 1 x 50 ml bottle nitrification inhibitor solution Instruction manual

Accessories

WT/85452	2418634	Potassium Hydroxide Solution 45%, 50ml
WT/85454	2418642	Nitrification Inhibitor (N-ATH), 50ml
WT/85456	418644	BOD Bottle, amber glass 500ml
WT/85460	418638	Stirring Rod Remover
WT/85462	418664	Overflow flask 21.7ml volume
WT/85464	418655	Overflow flask 56ml volume
WT/85466	418656	Overflow flask 94ml volume
WT/85468	418657	Overflow flask 157ml volume
WT/85470	418658	Overflow flask 244ml volume
WT/85472	418659	Overflow flask 360ml volume
WT/85474	418660	Overflow flask 428ml volume
WT/85476	418654	Overflow flasks complete set
WT/85478	418328	BOD Test Set, CM Test Tablets, pack of 8
WT/85480	2444470	Sensor Head
WT/85482	418645	BOD Bottle, amber glass 500ml, 6 pack
WT/85484	2444452	Inductive Stirring System
WT/85486	418637	Stirring Rod
WT/85488	418636	Rubber Gasket
WT/85490	2444482	USB cable, 5m length
WT/85492	2444475	Power cable, Y-Cable



WT/85444



Accessories