

**BOD4000**

CATALOGUE 2024-25



## BOD Analyzer

### BOD4000



E - Catalogue

BOD is a kind of environmental pollution index, which is mainly used to determine the pollution status of organic matter in water. It can also be used as a basis to evaluate the operation efficiency of sewage treatment plant, ETP, so as to find the right treatment method.

The method is based on pressure measurement in a closed system: micro organisms in the sample consume the oxygen and liberate CO<sub>2</sub>, which is absorbed by KOH, creating a vacuum which can be read directly in mg/l by BOD Sensor which is absorbed by NaOH, creating a vacuum, which can be read directly as a measured value in mg/l by BOD Sensor

### SALIENT FEATURES

- Measuring principle: differential pressure (manometric)
- The BOD value of the current test can be read at all times during or after the incubation of 5 days.
- BOD measurement ranges of up to 4,000 mg/l can be measured using different sample volumes

#### MENU

Start measurement  
Sampling volume:  
400ml  
Test days: 5 days  
Constant  
temperature delay: 2  
hours  
Detailed data  
Historical data  
Terminal number:

**STANDARD ACCESSORIES** : Main Instrument, BOD Test Terminal, 6 BOD culture bottles(580ml), Nitrification Inhibitor, KOH Solution - 50 to 60ml, Stirrer, Chemical cup, Culture bottle holder, Test Certificate

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**BOD Analyzer**

HSN Code : 90262000

<b>SPECIFICATIONS</b>	<b>MODEL</b>	<b>BOD4000</b>
	Make	LABMAN
	Parameters	BOD <sub>5</sub>
	BOD Range	0-4000mg/L
	Accuracy	Qualified for BOD <sub>5</sub> (Glucose-Glutamic acid standard solution BOD <sub>5</sub> =180-230mg/L)
	Measurement	Measurement days 1-30 days
	Number of sample measurements	6
	Volume of container	580ml
	Working Temperature	20 ± 1 °C
	Data management Data Storage	10-year BOD 5 result value
	Display Back light	Yes
	Date and Time	Yes
	General	Power AC Adapter, 100-240V AC input
	Machine Dimension (LxWxH)	272 × 185 × 75 mm
	Packing Dimension (LxWxH) mm	490 × 410 × 220 mm
Power Supply	Adaptor, Using AC 220V,50/60Hz	
Net Weight	2.4kg	
Gross Weight	8 kg	

★ Specifications are subject to change without notice.

**Sample volume selection**

number	Sample concentration range (mg/L)	Sample volume (mL)
1	0 ~ 20	500
2	0 ~ 40	450
3	0 ~ 80	400
4	0 ~ 160	300
5	0 ~ 320	200
6	0 ~ 800	100
7	0 ~ 2000	50
8	0 ~ 4000	25

**BOD Test Steps**

1. BOD standard sample
2. Industrial sewage
3. Discharged water from domestic sewage treatment plant after chlorine disinfection
4. Water samples with BOD concentration higher than 4000mg / L
5. Water samples containing toxic substances such as copper, lead, zinc, cadmium, chromium, arsenic and cyanogen
6. Water sample containing a small amount of free chlorine ion
7. The effluent of biological treatment tank contains a lot of nitrifying bacteria