

BOD4000

CATALOGUE 2024-25



BOD Analyzer

BOD4000

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 CO₂, 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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HSN Code : 90262000

SPECIFICATIONS	MODEL	BOD4000
	Make	LABMAN
	Parameters	BOD ₅
	BOD Range	0-4000mg/L
	Accuracy	Qualified for BOD ₅ (Glucose-Glutamic acid standard solution BOD ₅ =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