



**BOD Analyzer
BOD4000**





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), Stirrer, Chemical cup, Culture bottle holder, Test Certificate

BOD Analyzer

HSN Code : 90262000

SPECIFICATIONS

MODEL	BOD4000
Make	LABMAN
Parameters	BOD
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	495 x 420 x 225mm
Power Supply	Adaptor, Using AC 220V,50/60Hz
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

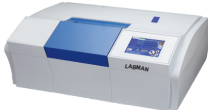
LABMAN Product Range 2025-26

LMFD61, 62, 63, 64 Lyophilizer Freeze Dryer (-60°C)	LMFD83, 84 Lyophilizer Freeze Dryer (-80°C)	LMRE25 Rotary Evaporator	ADM3 Automatic Density Meter	MSOD6 Microvolume Spectrophotometer
NAE32 Nucleic Acid Extractor	EMR4 Elisa Microplate Reader	GPTC96 Gradient PCR Thermal Cycler	HO30 Hybridization Oven	UVCL254 UV - Crosslinker
TGH12, 24 Tissue Grinder Homogenizer	PBH80T Paddle Blender Homogenizer	TOC2NDir Total Organic Carbon Analyzer	TOC1CD Total Organic Carbon Analyzer	LMDS600, 1200 Microwave Digestion System
HPLC1IS, HPLC2GS High Performance Liquid Chromatography	APT1800 Automatic Potential Titrator	KFT250VC Karl Fischer Titrator	COD1500 COD Analyzer with Digestor	BOD4000 BOD Analyzer
MTVM50 Multi Tube Vortex Mixer	LMVM60D Vortex Mixer	OS20 Orbital Shaker	TRM6 Tube Roller Mixer	DBNE12, 24 Dry Bath Nitrogen Evaporator

LABMAN Product Range 2025-26

DBI11T  Dry Bath Incubator	DBI15SH, DBI16SC  Dry Bath Incubator	IRS14, 35  Infrared Sterilizer	GGA200  Air Generator	GGA301, 302  Hydrogen Generator
GGN303  Nitrogen Generator	GHA304  Hydrogen Air Generator(2 in 1)	LMVP10  Vacuum Pump	LMVP20  Vacuum Pump	LMCO1  Column Oven
LMIO6  Mini Thermostatic Incubator	GHP400  Graphite Hotplate	LOBMS5  Oil Bath Magnetic Stirrer	LMMS4LC, 20LC  Ceramic Hotplate Magnetic Stirrer	LMMS300  Hotplate Magnetic Stirrer
MMS15S  Multiposition Magnetic Stirrer	MMS12H  Multiposition Magnetic Stirrer	WBMS3  Water Bath Magnetic Stirrer	LMWB2H, 4H, 6H, 8H  Digital Water Bath	HOS20L  Overhead Stirrer
LMHH160  Hand Held Homogenizer	PS1565  Peltier / Sipper System	LUV6HG  PMT Spectrophotometer	LUV2000T, 2100T  Single / Double Beam UV-Vis. Spectrophotometer with 21CFR	LMSPUV SERIES  Double Beam UV-Vis. Spectrophotometer

LABMAN Product Range 2025-26

LMSPUV1200  UV-Vis Single Beam Spectrophotometer	LMSPV320, 325  Visible Spectrophotometer	ADP100CFR, 95CFR  Automatic Digital Polarimeter with CFR	ADP45, 50  Automatic Digital Polarimeter ($\pm 45^\circ$)	ADP75, 90  Automatic Digital Polarimeter ($\pm 90^\circ$)
ADP40  Automatic Digital Polarimeter	LMPM180  Manual Polarimeter	MAR100  Manual ABBE Refractometer	RFM100CFR  Digital Refractometer CFR	RFM950, 970  Digital Refractometer
LMAR1317T  ABBE Refractometer	LMDV300H  Digital Viscometer with Thermosel	LMDV60, 100, 200  Digital Viscometer (L Series)	LMDV400R  Digital Viscometer (R Series)	LMKV2  Krebs Viscometer
LMDV111, 222  Digital Viscometer with SSA	LVA30  Low Viscosity Adaptor	LMCR80F  Visual Colorimeter	LMUC2D  Ultrasonic Cleaner	LMUC3D, 6D, 9D, 12D, 25D  Ultrasonic Cleaner - Degas
LMUC50, 100  Industrial Ultrasonic Cleaner	LMPH15  pH Meter with Printer	LMPH12, LMPH10H  pH Meter	LMPH9  pH Meter - Basic	LMCM20H  Conductivity / TDS Meter

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LMMP30, 32 Multiparameter (7 in 1 / 9 in 1)	LMION40 Ion Meter	LMDO50 Dissolved Oxygen Meter	LMHD60 Water Hardness Meter	OPH11 Online pH Controller
OCM21 Online Conductivity Controller	LMTB200 Turbidity Meter	RCB1010T, 1020T, 1030T Refrigerated Circulating Bath	RCB620T Refrigerated Circulating Bath	RWC320 Recirculating Water Chiller
LMDO4P Portable DO Meter	LMPH1P Portable pH / ORP Meter	LMCM2P Portable Conductivity / TDS Meter	LMTB5P Portable Turbidity Meter	PRO656, 900, 1200, 1800 Probe Sonicator
PRO660R Probe Sonicator with Remote	PRO650 Probe Sonicator	PROBE Probe 2mm to 22mm	LMIF30T, 50T, 100T Ice Flaker	LMIF200T Ice Flaker
LMIM15 Ice Maker	LMIM20C Ice Maker with Crusher	ISE19, 62 Nitrate / Fluoride ISEs	ER SERIES pH Electrode / DO Electrode	CC1, CC2, CC3 Conductivity Cell