

zygon

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ZBOD-100 AAB

BOD ANALYZER



BOD Analyzer

The BOD tester is designed based on the principle of differential pressure method, which simulates the bio-degradation process of organic matter in nature. In the sealed culture bottle, the oxygen in the air above the culture bottle continuously supplements the dissolved oxygen consumed by the decomposition of organic matter in the sample. The CO₂ produced in the process of organic degradation was removed to change the air pressure in the culture flask. By monitoring the change of the air pressure in the culture flask, the BOD value of the sample was calculated.

- Test six water samples at the same time for 1-30 days culture time.
- During the test, the current BOD value is displayed on the screen.
- Store BOD₅ results for 20 groups.
- View the current test data at any time.

Specifications

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Measuring range	0-2000mg/L
Measurement error	Meet the water quality BOD 5 precision test standard (Glucose-glutamic acid standard solution BOD 5 = 180-230mg/l)
Measurement days	1 ---- 30 days
Measurement quantity	≤ 6
Recording interval	24 minutes ~12 hours/time
Storage quantity	20groups BOD 5 result value
Culture bottle volume	580ml
Incubation temperature	20±1°C
Working power	AC power 110--220V, 50/60Hz
Rated power	10W

Size	272 × 185 × 75mm
Net Weight	2.4Kg

Standard Accessories

Name	Quantity	Purpose
BOD Test Terminal	6	to analyze, display, save and print the tested water sample
BOD Culture Bottle	6	to hold culture medium and imitate natural conditions
BOD Analyzer Base Unit	1 set	to control agitation
Stirrer	6	stir sample
Chemical Cup	6	to place the chemicals
BOD Special Consumables Test 1 (Nutrient)	1 set	to prepare inoculation diluent
BOD Special Consumables Test 2 (Sodium hydroxide)	10 g	absorb CO ₂ , adjust pH value
BOD Special Consumables Test 3 (Buffer)	1 set	to prepare inoculation diluent
BOD Special Consumables Test 4 (Strain)	0.4g	to prepare inoculant;
BOD Special Consumables Test 5 (Glucose/Glutamate)	1 set	prepare standard sample
Power Adapter	1	supply power to mixing tray
Culture Bottle Holder	1	to hold culture bottle
Plastic Tweezers	1	add sodium hydroxide
Precision pH test paper	1 package	test sample pH value