

BOD analyzer with Biosensor, Model Quick BOD α1000

Specifications	
Model	Quick BOD α1000
Measurement method	Biosensor
DO electrode	Clark cell type oxygen electrode
Measurement range	2 ~ 50 mg/L (basic measurement range based on trichosporon cutaneum membrane)
Measurement time	Approx. 60 minutes per measurement
Measurable sample	Liquid samples containing soluble organic
Calibration	1 point calibration by glucose glutamic solution
Repeatability	±5% (in case of 20-50 mg/L F.S. setting, using trichosporon cutaneum membrane and stable environment temperature)
Temp. control	20 to 40 degree C (adjustable) Automatic warming/cooling PI control function with peltier device
Output	Print-out output BOD value hold output (DC 0-5 V) Probe output (DC 0-5 V)
Power requirement	100VAC, 50/60 Hz, 3 A
Dimensions	260(W) × 320(D) × 409(H) mm
Weight	Approx. 16 kg, not including reagents
Optional accessories	Microbe membrane (trichosporon cutaneum) Pipettes or measuring apparatus



Order No.	Descriptions	Remarks	Quantity
C00018601	BOD Analyzer Quick BOD α1000		
Standard Accessories	Printer	● Printy 3	1
	Microbial immobilization kit	● Immobilization membrane kit (10 sets/pkg) ● Immobilization tool (1 pair)	1
	BOD seeds	● 5 capsules	1
	DO probe kit	● DO electrode (1) ● Membranes (5) ● Electrolyte (1) ● Metal polish (1) ● Syringe (1)	1
	0.5M Phosphate buffer solution	● 5L	1
	5000 mg/L BOD standard solution	● 500mL	1
	Containers	● Plastic vial, 30 mL (1) ● Plastic bottle, PP, narrow-neck, 500 mL (1) ● Plastic bottle, PP, wide-neck, 100 mL (2) ● Plastic bottle, PP, wide-neck, 500 mL (2) ● Poly flattened container, wide-mouth, 10 L (2) ● Poly flattened container, wide-mouth, 20 L (1)	1
Optional accessories			
C00041303	Microbe membranes, 5/pkg	● Trichosporon cutaneum	1

[Apparatus for the estimation of biochemical oxygen demand (BODs) with microbial sensor]

JIS K 3602-1990 (established Sept. 1st, 1990)

Although the BODs (JIS K 3602) microbial electrode method and BOD₅ (JIS K 0102) 5-day method are different, the expected BOD₅ value can be approximated from the BOD_e value. This enables water quality to be monitored over a short period of time in order to permit any necessary measures to be enacted quickly and effectively, it was therefore incorporated as a separate method.

☞ This analyzer complies with the JIS standard only if the optional microbe membrane (Trichosporon cutaneum)

※ Subject to change



CENTRAL KAGAKU CORP

Headquarters:
Shouei Bldg., Hongo 3-23-14,
Bunkyo-ku, Tokyo 113-0033, Japan
Telephone : +81-3-3812-9186
Facsimile : +81-3-3814-7538
Tokyo, Osaka, Nagoya, Fukuoka

Distributed by

PT. Mitra Katiga Sejahtera
Jl. Raya Kelapa Dua Wetan No.42
Ciracas, Jakarta Timur 13730
Telp/Fax. 021-87717707

BOD analyzer with Biosensor

Quick BOD α1000

- Highly correlated with the BOD₅ method by microbe immobilization
- Quick measurement time (60 min.)

