

MIXING & SHAKING / TEMPERATURE CONTROL

B.O.D. SHAKER INCUBATOR

Controlled incubation. Uniform orbital agitation.

The ALC-Scientific B.O.D. Shaker Incubator combines controlled temperature conditions with orbital agitation for biological oxygen demand studies, microbial culture, environmental analysis and other temperature-dependent laboratory workflows.



MODEL

ALC-BOD-101

CATALOGUE NUMBER

To be confirmed

REFERENCE SPECIFICATION SET

Values shown are reproduced from supplied ALC-Scientific artwork; final procurement values require approved datasheet confirmation.



PRODUCT OVERVIEW

Controlled incubation. Uniform orbital agitation.

Designed for laboratories requiring simultaneous incubation and orbital shaking, the ALC-BOD-101 provides an enclosed temperature-controlled chamber, digital operating interface and bottle-holder platform. The reference configuration supports 6 or 12 BOD bottles of 300 mL each. Final performance and supplied accessories must be verified against the approved model datasheet and quotation.



TEMPERATURE RANGE

5 C to 60 C

SHAKING SPEED

30 - 250 rpm

CAPACITY

6 / 12 x 300 mL

Key Features

- Microprocessor PID temperature control
- Uniform orbital shaking for sample mixing
- Digital temperature and speed indication
- Corrosion-resistant stainless-steel interior
- Enclosed chamber with observation window
- Audio-visual alarm and overload protection
- Bottle-holder configurations for 6 or 12 vessels

Working Principle

Samples are secured on a platform that moves in a controlled orbital path while the insulated chamber maintains the selected temperature. Continuous agitation promotes uniform mixing and oxygen transfer during B.O.D., microbial and environmental workflows.

TYPICAL APPLICATIONS

Biological oxygen demand testing / Wastewater and environmental analysis / Microbiological studies / Temperature-controlled sample agitation / Research and quality-control laboratories



REFERENCE TECHNICAL DATA

Final values require approved model-datasheet confirmation.

PARAMETER	REFERENCE SPECIFICATION
Model	ALC-BOD-101
Temperature range	5 C to 60 C
Temperature accuracy	+/- 1 C at 20 C
Temperature uniformity	+/- 1 C
Controller	Microprocessor PID
Display	Digital LED
Shaking type	Orbital
Shaking speed range	30 - 250 rpm
Orbit diameter	25 mm
Capacity	6 / 12 BOD bottles (300 mL)
Timer	0 - 999 hours
Interior / exterior	Stainless steel / powder-coated mild steel
Door	Double-walled with glass window
Power supply	220 - 240 V AC, 50 Hz
Safety	Over-temperature and motor-overload protection
Dimensions / net weight	580 x 620 x 880 mm; approx. 70 kg for 6-bottle model

STANDARD SUPPLY

- BOD bottle holders
- Shaking platform
- Power cord
- Operation manual

INSTALLATION

- Stable, level floor or bench
- Earthed AC supply
- Ventilation clearance
- Balanced and secured vessel load
- Follow approved OEM manual

TO BE CONFIRMED

- Final 6- or 12-bottle configuration
- Temperature mapping / validation
- Exact power consumption
- Warranty period
- Calibration and compliance documents



LABORATORY APPLICATIONS

A practical platform for controlled laboratory workflows.

Applications

- Biological oxygen demand testing
- Wastewater and environmental analysis
- Microbiological studies
- Temperature-controlled sample agitation
- Research and quality-control laboratories
- Educational and industrial laboratories

Product Advantages

- Combines incubation and orbital shaking
- Supports repeatable temperature-dependent workflows
- Enclosed chamber reduces external variation
- Flexible 6- or 12-bottle reference configurations
- Digital control simplifies routine operation
- OEM-ready configuration and documentation support



SCAN FOR PRODUCT PAGE

Request a model-specific quotation.

Share your application, required capacity or range, preferred configuration, quantity, installation city and documentation needs. Final performance values and accessories are issued with the approved technical datasheet and quotation.

ALC-SCIENTIFIC LABORATORY SYSTEMS

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OEM / PRIVATE LABEL AVAILABLE

Product images are for reference and may vary according to the selected configuration. Specifications, dimensions, accessories and designs are subject to change. Final specifications are those stated in the approved technical datasheet and commercial quotation. Standard warranty: To be confirmed according to the selected product and approved commercial quotation.