



Orbital Shaker LD-LOS-B21

Labodam Equipment Ltd.
info@labodam.com | www.labodam.com

Orbital Shaker LD-LOS-B21

Overview

Orbital Shaker LD-LOS-B21 is a compact, benchtop single layer orbital shaker adopted with advanced technology and single-axis drive mechanism offers speed range of 50 to 300 rpm. Features advanced high torque motor with unique high precision frequency control system, ensures the safety of reagents used. Incorporated PID micro-processing controller, 8 segment self-programming program, offers automatic operation, automatic stop, timing operation, clock display, call recovery, and parameter memory. With enhanced safety features and alarm system, surveillant timer, unique slow-start circuit and auto power-off protection prevents sudden starts and splashes, over-heating and over temperature. Designed with LCD display and high-quality, high-tensile cold-rolled steel plate, medium plate, channel steel, angle steel, and cast iron it is a rust proof device.

Features:

- Compact, benchtop single layer orbital shaker
- Advanced high torque motor with unique high precision frequency control system
- PID micro-processing controller, 8 segment self-programming program
- Single-axis drive mechanism, quiet operation, durable
- Unique slow-start circuit and auto power-off protection
- LCD display with simple key operation and easy programming of time and speed
- Safety features: Independent leakage and over-current protection
- Alarm system: Overspeed sound/light alarm
- Surveillant timer, automatic operation, automatic stop, timing operation, clock display, call recovery, parameter memory
- Rust proof design with high-quality, high-tensile cold-rolled steel plate, medium plate, channel steel, angle steel, and cast iron
- Easy-to-use, highly efficient, stable and durable

Applications:

Orbital shaker is widely used across chemistry, biochemistry, molecular biology, microbiology, environmental and food sciences, clinical diagnostics, and eukaryotic cell culture etc. to agitate and mix samples and solutions in tubes, plates, and flasks.

Specifications:

Power	150 W; 120 W inverter motor
Circuit	Slow-start circuit
Display	LCD display
Material	High-quality, high-tensile cold-rolled steel plate, medium plate, channel steel, angle steel, and cast iron
Amplitude	?50 mm

Controller	PID (Microcomputer scans the micro-processing chip)
Drive mode	Balancing device with single shaft
Net weight	200 kg
Alarm system	Overspeed sound/light alarm
Power supply	AC 200 to 240 V 50/60 Hz
Shaking mode	Orbital
Timing range	0 to 999.59 h
Shaking speed	50 to 300 rpm
Convection mode	Natural convection
Program control	8 segments (user-controlled programs)
Safety features	Independent leakage and over-current protection
Shaking accuracy	±1 rpm
Security features	Automatic operation, automatic stop, timing operation, clock display, call recovery, parameter memory
Surveillant timer	Yes
Dimension (W×D×H)	900×650×480 mm
Flask Configuration	54 pcs of 250 ml flask, 35 pcs 500 ml flask, 24 pcs 1000 ml flask, 6 pcs 5000 ml flask
Working environment	User-specific thermostatic indoor or environment
Power-off protection	Automatic
Shaking plate quantity	1 pc
Shaking plate size (L×B)	840×620 mm