

ORBITAL INCUBATOR SHAKER



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Used for mixing of biological liquids as well as for incubation and cultivation of bio- logical liquids according to the operator set program. It can fix all kinds of holders for flask, petri dish, tubes, Elisa plates, etc. Built-in microprocessor thermo controller provides constant temperature control in the incubator chamber. It is extremely easy to operate, with very straightforward setup of temperature, speed and time.

FEATURES

- Ultra-silence design keeps it working quiet.
- Brushless motor cuts down the noise, lengthen the service life, and stabilize the torque output without maintenance.
- Integrated LCD controller, high accuracy sensor, and precise temperature control.
- Over-temperature alarm prevents experiment temperature from exceeding setting.
- Convenient PID control makes it run with data set and time set, automatic changes of rotation direction, automatic shutdown. automatic data backups for power outage, quick start and stop,
- and motor shaft lock protection.
- Auxiliary menu control over-temperature alert and deviation calibration.

TECHNICAL SPECIFICATIONS

MODEL NO.		BI-OSI-16	BI-OSI-09
Shaking mode		Cyclotron Oscillation	
Function	Amplitude	Ø20mm	
	Temp. Resolution	0.1°C	
	Temp. Motion	±0.1°C	
	Temp. Uniformity	±1oC	
	Temp. Range	RT+5 65°C	4~65°C
	Rotary Speed	30-300rpm	
	Rotary Speed Precision	±1rpm	
Structure	Outer Shell	ABS	
	Observation Window Material	Imported resin	
	Thermal Insulation Material	Polyurethane	
	Cooling System	NO	Yes
	Coolant	NO	R134a
	Heater	Stainless steel heating tube	
	Drive Mode	Three-axis level	
	Oscillating Plate	Spring Wire Rack	
	Air Circulation Mode	Horizontal convection	
	Power Rating	0.6kW	0.8kW
Controller	Temp. and Speed Control	LCD PID intelligent control	
	Setting Mode	Automatic changes of rotation direction	
	Temp. Display Mode	Touch button setting	
	Speed Display Mode	LCD display	
	Timer	0~9999min	
	Operation Function	Fixed value operation,timer, bidirectional automatic switchover.auto stop,quick stop start	
	Temperature Sensor	PT100	
	Speed Sensor	Hoare	
	Additional Function	Deviation correction, menu keys locked, power-off memory	



Safety Device		over temperature alarm, menu locked, gating system.power-off and plugging turn protection	
Specification	Inner Chamber Size (W*L*H) (mm)	455x380x290	560x390x320
	Exterior Size (W*L*H)(mm)	500x640x480	600x770x500
	Packing Size (W*L*H)(mm)	812x630x670	923x730x683
	Shelf Size(mm)	380x320	480x315
	standard number of flask clamp(ml/pc)	250x8	250x12
	Inside Volume	50L	70L
	Shelf Load Bearing	≤10kg/layer	≤15kg/layer
	Shelf Layer	1	1
	Power Supply (50/60Hz) Current	AC220V/2.5A	AC220V/3.5A
	NW/GW (kg)	25/35	65/85

BR BIOCHEM LIFE SCIENCES PVT. LTD.

06, S.F. Gopal Nagar , Fateh Nagar, New Delhi-110018 ,India

Ph: +91 11 43033662/4, Toll free : 1800 833 6126

EMAIL: info@brbls.com | www.brbls.com



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