

ORBITAL SHAKER (INCUBATOR)



Manufacturer of
**Life Science Research
Equipments**



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ORBITAL SHAKER (INCUBATOR)

EPS offers advance technology Orbital Lab Shakers are known for their durability and rotary swirling action used extensively in tissue culture work, Aeration of fermentations and various other chemical mixing procedures. EPS Series Orbital Shakers are built for continuous duty. If you need a specific solution (Heavy Duty Large Volume Mixing) and OEM builds, EPS has the ability to manufacture the solution, Step by Step RPM acceleration on Start & Stop.

Features

- Android mobile app control (RPM & Timer)
- Bluetooth-app access distance 15 to 20mtr
- Universal flask holder with SS springs
- Auto restart (on power failure)
- Square type tray
- Safety fuse and short circuit protection



Technical Specifications & Ordering Information:

MODEL	EPS/OS/ ANLG	EPS/OS/LCD
Flask Holder	Spring loaded (SS)	Spring loaded (SS)
Platform Size	385X380	385X380
Capacity	16X250 ml	16X250 ml
Speed	50 TO 250 RPM	50 TO 250 RPM
Timer	Nil	1 Min to 99 hr. 59 Min & Continues Mode

INCUBATOR ORBITAL SHAKER

EPS offers advance technology Orbital Incubator Shakers are known for their durability and rotary swirling action used extensively in tissue culture work, Aeration of fermentations and various other chemical mixing procedures. EPS Series Orbital Shakers are built for continuous duty with Air Circulation Fan, Step by Step RPM acceleration on Start & Stop.

Construction:

The outer body is made of 1.2mm thick GI steel which is pre-treated for corrosion and then powder coated to years of new look, to provide an exceptional uniformity (+/- 2° of the set value) inside the chamber, a powerful circulating fan is provided. This is mounted either at the back or the top depending on space constraints.





The heart of the system is a customized, microprocessor based electronic temperature controller. It has a digital display and soft touch keys for various functions. A special soft key on the front panel enables the user to easily calibrate the display value to any standard thermometer. Our controllers use a suitable capacity Thyristor pack with an electronic relay that obviates the use of mechanical or solid state relays thus providing an exceptional temperature control. The temperatures are controlled to within $\pm 2^\circ$ of the set value.

Technical Specifications:

PARAMETER	DESCRIPTION
Body	Inner: Stainless Steel (S.S) Outer: GI Steel treated and powder coated to prevent corrosion.
Heater Capacity	500 watts
Controller	Fully Microprocessor Controlled temperature, RPM and time controller with soft touch keys.
Platform Flask Size	250ml X 16
Temperature Sensor	PT 100 (platinum RTD Sensor) with SS Sheathing
Temperature Display and Setting	Seven Segment Display
Timer	1min to 99hr .59min & Continues mode
RPM & Time Display	LCD Display
RPM Resolution	+/- 2 RPM
Relay	SSR Relay with Electronic Control
Motor Speed	50-250 RPM, continuously variable
Speed Control	Soft Touch - Digital PID Control
Movement Range	25mm Orbital motion
Motor	Solid - state brushless DC Motor with maintenance free ball bearings
Memory	20 Read / Writable Program (RPM & Time)
Input Power	230V AC

Ordering Information for Incubator Orbital Shaker:

MODEL	EPS/IOS/ 300	EPS/IOS/400	EPS/IOS/500
Chamber Size (mm)	300x300x300	380x380x450	450x450x450
Temperature Range	Ambient +5°C to 60°C		
Temperature Resolution	$\pm 1^\circ\text{C}$ to $\pm 3^\circ\text{C}$		

Ordering Information for Cooling Incubator Orbital Shaker:

MODEL	EPS/CIOS/ 300	EPS/CIOS/400	EPS/CIOS/500
Chamber Size (mm)	300x300x300	380x380x450	450x450x450
Temperature Range	+10°C to 60°C		
Temperature Resolution	± 1°C to ± 3°C		



This is to certify that the Products & spares of class I according to the Life Science Research Equipment directive 93/42/EEC manufactured by

NAME: EPS BIOSOLUTIONS
ADDRESS: PLOT 4, FLAT B, ANNASADU APARTMENT, 1ST CROSS STREET, CHETTIARU
NAGAR, PALIYERANAL CHENNAI TAMIL NADU - 600106, INDIA

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COMPLIES WITH THE REQUIREMENTS APPLICABLE TO U
The Certification Body has performed an independent visit of the above

covering the design, construction and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the Life Science Research Equipment directive 93/42/E.C.

THIS CERTIFICATE IS ISSUED UNDER THE FOLLOWING CONDITIONS:

2. The confidence intervals would valid the manufacturing confidence in the quality system are changed.
3. The confidence value is controlled by positive means or worst case limits.
4. After following the relevant CEI legislation, the manufacturers shall refer to each device of the above confidence limits.

The CEI work is done when can be done, with the responsibility of the manufacturer, when completion of a CEI document of confidence and using based with CEI document. The confidence is based in a single evaluation of one sample of these 'new' products. It does not imply an assessment of the whole product line.

Certification Calendar:
Certificate No: ENCE12063020-09

Registered on: 30.12.2022

Issued on: 30.12.2022

Expires on: 29.12.2025

2nd Surveillance on/after: 29.12.2023

Executive Director
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1. Validity of the certificate is subject to the organization maintaining its water management system compliant with ISO 14001 requirements.

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Madras University



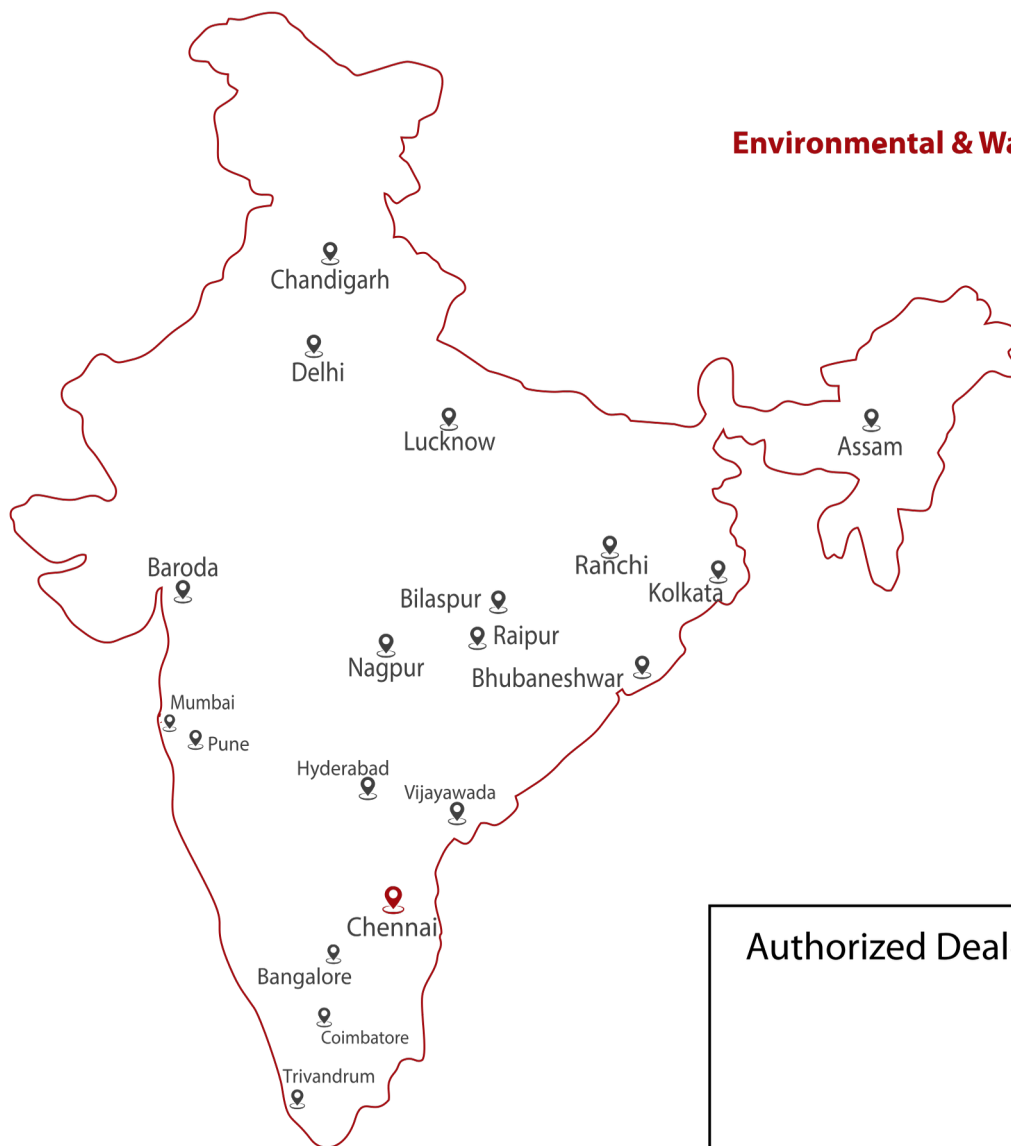
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Registered Office:

Plot 4B, Annai Abode Apartment, 1st Cross Street,
Chitti Babu Nagar, Pallikaranai, Chennai - 600 100.
Tamilnadu, India. ☎ : 044-4207 2939.

✉ : info@epsbiosolutions.com | sales@epsbiosolutions.com

🌐 : www.epsbiosolutions.com

Factory :

No. 28/17, Bajanai Kovil Street,
Off - Orandiamman Kovil Street,
Velachery, Chennai - 600 042. Tamil Nadu, India

☎ : 044-42072939 ✉ : info@epsbiosolutions.com

🌐 : www.epsbiosolutions.com