

ORBITAL SHAKING INCUBATOR NON-REFRIGERATED



KEY FEATURES

Motion: Orbital (circular) motion is standard for gentle and uniform aeration.

Variable Speed: Shaking speed is adjustable, typically ranging from 20 RPM to 300 RPM allowing for gentle agitation to vigorous mixing.

Durable Interior: Inner chamber is made of stainless steel SS-304 for easy cleaning and durability.

Insulation: High-density insulation glass wool to minimize heat loss and ensure stable temperature.

Door System: Single-door system—a window glass/Plexiglas door for visual observation without disturbing the internal temperature, and an insulated outer door with a lock.

Safety & Convenience:

- **Over-Temperature Protection:** Automatic cut-off or alarm to protect samples and equipment from overheating.
- **Power Failure Auto-Restart:** Automatically resumes operation after a power outage.
- **Low Noise/Vibration:** Brushless DC motors are often used for quiet, reliable, and maintenance-free operation.

TECHNICAL MATRIX

Model No.	PTE -ORBI-409 A	PTE -ORBI-409 B
Platform Size	350 x 350 9 Flask of 500 ml	450 x 450 16 Flask of 500 ml
Temperature Range	Ambient above +5 °C to 80 °C	
Temp. Controller	By Microprocessor Based PID Temperature Indicator cum Controller.	
Shaking Motion	By Permanent Magnet DC Drive for continuous operations.	
Shaking amplitude	25 mm.	
Lotus Clamp Holders	Made of Teflon lotus clamps	
RPM Display	Digital RPM INDICATOR	
Shaking Speed	Variable speed from 30 RPM to 250 RPM	
Temp. Accuracy	+1°C	
Temp. Display:	LED Display for Set Value(SV) and Process Value (PV)	
Air Circulation	By forced convection system	
Insulation	By High density PUF /Glass Wool	
Electric Supply	220/230V AC, 50/60Hz	

OPTIONAL - ADD ONS

- Digital Timer
- HMI PLC touch display
- Extra Spare clamps are available of 100ml,150ml,250ml,500ml,1000ml,2000ml
- Other customizations are also available with us