

Orbital Shaking Incubator

With Digital R.P.M. Meter & Digital Temperature Indicator-Cum-Controller

Beyond Borders.

Our Orbital Shaking Incubator is crafted to meet the highest laboratory standards, ensuring uniform temperature control and smooth, vibration-free shaking. The imported DC-driven motor and microprocessor-based controls guarantee consistent performance, making it ideal for critical research applications.

Built with a sturdy stainless steel body and transparent plexiglass lid, this incubator offers durability and convenience. Whether for microbiology, biotechnology, or pharmaceutical labs, it provides the perfect environment for continuous, precise, and reliable operation.



**“ Precision in Every Shake.
Reliability in Every Degree ”**

About the Product

Orbital Shaking Incubator

The Orbital Shaking Incubator is a high-performance laboratory equipment designed to deliver precise temperature control and smooth, continuous shaking. It is ideal for applications in microbiology, biotechnology, pharmaceuticals, and research laboratories where uniform mixing, incubation, and controlled agitation are essential.

Constructed from premium-grade stainless steel and equipped with an imported DC-driven motor, this incubator ensures reliability, durability, and long-term performance. The transparent plexiglass lid allows easy viewing of samples without disturbing internal conditions, making it both practical and efficient for sensitive experiments.

Why choose ?

- Precision Engineering – Designed with a microprocessor-based PID controller for accurate temperature and speed management.
- Heavy-Duty Construction – Built with a thick stainless steel body and sturdy angle iron frame for maximum durability.
- Smooth & Quiet Operation – Imported DC-driven motor ensures vibration-free, continuous operation.
- User-Friendly – Simple digital displays for temperature and RPM with easy-to-use controls.
- Uniform Results – Built-in air circulation fan maintains even temperature distribution throughout the chamber.
- Versatile Capacity – Accommodates up to 25 conical flasks of 250 ml for various research needs.



Orbital Shaking Incubator

Each feature of the **SISCO** Orbital Shaking Incubator is thoughtfully designed to enhance laboratory efficiency, accuracy, and reliability. From its precision temperature control and smooth variable-speed shaking to its sturdy construction and spacious platform, every component works in harmony to meet the most demanding research needs.

Whether it's consistent temperature uniformity, easy monitoring through digital displays, or long-lasting durability, this incubator is engineered to deliver consistent performance and peace of mind in every experiment.



Features

- ◆ **Advanced Microprocessor-Based PID Controller**
Accurate and stable temperature control from ambient to 70°C with $\pm 0.5^\circ\text{C}$ precision.
- ◆ **Digital RPM/SPEED Indicator**
Microprocessor-based digital display for real-time monitoring and adjustment of shaking speed.
- ◆ **Large Shaking Platform**
Spacious platform designed to hold up to 25 conical flasks of 250 ml, ideal for batch experiments.
- ◆ **High-Performance DC Motor**
Imported, maintenance-free DC motor ensures smooth, continuous shaking without vibration.
- ◆ **Robust Stainless Steel Body**
Corrosion-resistant, heavy-duty construction suitable for demanding lab environments.
- ◆ **Transparent Plexiglass Top Lid**
Provides clear visibility of the process without interrupting chamber conditions.
- ◆ **Uniform Heat Circulation**
Built-in air circulation fan ensures even distribution of temperature throughout the chamber.
- ◆ **External Motor Mounting**
Motor positioned outside the inner chamber to avoid heat transfer and enhance temperature stability.
- ◆ **Solid Angle Iron Frame**
Mounted on a sturdy base to ensure stability during continuous operation.
- ◆ **Power Supply Compatibility**
Designed to operate on 220/230 Volts A.C. Supply for universal convenience.

Orbital Shaking Incubator



TECHNICAL SPECIFICATIONS

PARAMETERS

Temperature Range
Temperature Control

Shaking Platform Capacity

Shaking Speed

Motor

Body Construction
Top Lid
Air Circulation

Mounting Frame
Motor Placement
Power Supply

SPECIFICATIONS

Ambient to $70^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$
Microprocessor-based PID Digital Temperature Indicator-Cum-Controller
Accommodates 25 conical flasks of 250 ml each
Variable speed with Microprocessor Digital RPM/Speed Indicator
Imported DC Driven Motor for continuous operation
Thick Stainless Steel Sheet
Transparent see-through Plexiglass
Equipped with air circulation fan for uniform temperature
Sturdy angle iron frame
Fitted outside the inner chamber at the base
220/230 Volts A.C. Supply