



INCUBATOR SHAKER

MODEL NO. - ACM-22064-I

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We are manufacturers of Incubator shaker or orbital shakers in India since 1990. Our incubator shakers are widely used for day to day bacteriological and varied laboratory applications requiring incubation as well as shaking tests and procedures in variety of research and testing laboratories.

We specialize in both standard and customized models, specifically designed to meet the challenging demands of various scientists for individual and specialized research applications. Over a short period of time Weiber brand have been established as reliable exporters of Incubator Shakers in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our Incubator shaker in India , catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R& D laboratories of leading national and multinational companies.

Salient Features of Incubator Shaker

- Versatile usage
- Ergonomic Design
- Energy Efficient
- CFC free cooling
- Long life
- Low Maintenance
- Calibration And Protocol Documentation



Construction

Our Incubator shakers are double walled convection heated and cooled units. Outer body of our incubator shakers are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our incubator shakers.

The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame and provided with castor wheels for easy movement inside the laboratory. The unit is provided with two/three stainless steel shelves. The triple walled back of our incubator shakers are provided with two air circulation fans for uniform maintenance of the temperature throughout the chamber.

Temperature Range / Temperature Sensitivity

Temperature range of our standard orbital Incubator shaker models are 5°C above ambient to 70°C and 5°C to 70°C. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

Temperature inside our incubator shaker is controlled with a sensitivity of + 0.5°C or better.

Temperature Control

Temperature is controlled through microprocessor based programmable electronic PID temperature controller cum indicator.

Forced Air Circulation System

The uniformity of temperature is maintained throughout the chamber of the orbital shaker with an efficient air circulation system, powered by Crompton / perfect motor.



Shaking System

The efficient and diligent shaking system is powered by Crompton / perfect motor

Shaking Speed

The Shaking speed of our variable speed orbital shaker is 250 RPM.

Speed Control

The shaking speed is effectively controller by a variable speed controller fitted with digital RPM meter.

Shaking Platform

The shaking platform is designed to accommodate 25 flaks of 250ml to 500ml-supplied with one platforms.

Platform Size

The size of the platform is 450mm x 600mm

Optional Accessories

- Light system by interior illumination with three fluorescent tubes 60 cm long (20 watts) placed vertically along with back wall . Temp. can be obtained 10° C to 60°C
- Timer 0-24 hours for regulating cycle's illumination condition.
- Arrangement for incubation of CO2 Air Mixture
- Electronic Digital Temperature and humidity controller combined
- Automatic Voltage Stabilizer of 3 KVA

Data Acquisition And Control System For Incubator Shaker

Universal Digital Data Recorder with Computer

This is unique module which can be incorporated with our incubator shaker to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

Features

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print out of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485
WHO: GMP Products | GLP Compliant Products

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