

ORBITEK®

Range of Bio-equipment



Lab Shaker Series

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Profile

SCIGENICS BIOTECH since its inception in 1997 has been a head start venture in manufacturing of ORBITEK® range of Shakers, specifically addressed to the field of Life Sciences and Biotechnology. The ORBITEK® product range has been expanded to include Hybridization Chamber, Growth Chamber, Incubators, Roller Culture Apparatus etc. Developing custom-built products through close interaction with customers has been the organization's forte.

With over 2500 Shakers in this ever-expanding segment, SCIGENICS BIOTECH has positioned itself as a significant player. Extensive service network, coupled with accessories and spare parts stock enables easy Customer call - Trouble shoot - Restart cycle.



ORBITEK® - L

- Ergonomically designed
- Triple-eccentric movement
- Noiseless & Vibrationless with minimal footprint
- Precise shaking speed control

ORBITEK® - LT WITH ILLUMINATION OPTION

- Minimal foot print with mid-sized tray capacity
- Shaker with incubation hood
- Integrated microprocessor digital PID controller
- Speed control through pulse width modulation
- Precise PID logic control for temperature.



Recognition

- ORBITEK name synonymous for Shakers among the user Scientists over the years.
- Largest installation base of Shakers with a prestigious customer bank of Pharma Majors, Reputed Universities, Research Institutes
- Consistent repeat orders, stand testimony to customer satisfaction and trust.
- ISO 9001-2008 Certification
- DSIR certified R&D Unit
- CE certification for Shakers

Milestones

- State-of-the-art manufacturing facility meeting international standards
- Global presence including USA and Europe

Key Features

The laboratory series of shakers are carefully designed keeping in mind, criticality of operation for the typical Life Sciences & Biotechnology application. The equipment are absolutely dependable, assuring the scientists a trouble free operation.

- Ergonomically designed
- Absolutely smooth movement ensuring silent operation
- The cooling unit optimized depending on ambient temperature & set value
- Uniform temperature distribution throughout the chamber, ensuring homogenous growth of the culture at all points
- Various options of clamps of holders for Erlenmeyer Flasks, Test tube Racks etc.



ORBITEK® - LETT
REFRIGERATED TABLE TOP

- Table top shaker with refrigeration
- Extremely energy efficient system
- Forced air circulation for temperature uniformity
- Large capacity of flasks in a small foot print
- Interior made of stainless steel and exterior powder coated CR galvanized
- Precise PID logic control for temperature.
- Ergonomically designed system

ORBITEK® - LE 4676

- Floor model refrigerated shakers
- Ergonomic design for easy access to your product
- Large platforms for maximum capacity and better utilisation
- Easy accessibility with top open door
- Brush less AC motor with variable frequency drive
- Illumination option for photosynthetic application



Accessories

Various accessories like Elisa Plate Holders, Non-slip Rubber Mats, Tube Holders are also available.



ORBITEK® - LEBT WITH SILENT REVOLUTION (SLRN) SYSTEM

- Top of the line model with minimal footprint
- Human-Machine Interface(HMI) and touch screen
- Illumination for photosynthetic application (LED Option)
- Brushless AC drive System
- PID control for temperature
- Stationery tray - 2 Nos
- Variety of safety features, interface features and seamless controls

Specifications

ORBITEK	LJ	L	LX	LD	LT	LTH	LE	LETT-D	LEBT	LE 4676
Material of Construction	FRP / MS	FRP / MS	FRP / MS	FRP / MS	FRP / MS	FRP/MS/SS	FRP / MS	SS / MS	SS / MS	SS / MS
Tray Size (mm)	350 X 350	420 X 420	550 X 550	420 X 420	420 X 420	420 X 420	420 X 420	420 X 420	420 X 420	460 X 760
No. of Tiers	One	One	One	Two	One	One	One	One	One	One
Speed Range (rpm)	50 - 250	30 - 350	50 - 250	50 - 175	30 - 350	30 - 350	30 - 350	30 - 350	30 - 350	50 - 350
Speed Control	DC*	DC*	DC*	DC*	DC*	DC*	DC*	DC*	AC*	AC*
Temperature Range (°C)	NA	NA	NA	NA	Amb.+5 ~ 60	Amb.+5 ~ 80	15 ~ 60	5 ~ 80	5 ~ 80	5 ~ 60
Temperature Accuracy (°C)	NA	NA	NA	NA	±0.1	±0.1	±0.1~0.5***	±0.1~0.5**	±0.1~0.5**	±0.1~0.5**
Electric Power (Watts)	48	48	48	48	570	840	1300	1300	1200	2600
Current (Amps)*	5	5	5	5	5	10	10	10	10	15
Weight (Kg.)	35	40	50	130	70	85	120	110	175	190
Amplitude (mm)	25	25	25	25	25	25	25	25	25	25

CLAMP CAPACITY

Top Bottom

100 ml	16	36	49	36	32	36	36	36	36	40
250 ml	16	25	36	25	21	25	25	25	25	40
500 ml	9	16	25	16	12	16	16	16	16	24
1000 ml	4	9	16	9	5	9	9	9	9	15
2000 ml	2	4	9	4	4	4	4	4	4	6

ADD-ON FEATURES

Illumination	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fluorescent Lamp	x	x	x	x	x	x	x	x	x	x
UV Lamp	x	x	x	x	x	x	x	x	x	x
Timer for Speed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Timer for Temperature	x	x	x	x	x	x	x	x	x	x
Timer for Speed & Temp.	x	x	x	x	x	x	x	x	x	x
Humidity Measurement	x	x	x	x	x	x	x	x	x	x
5 V O/P for Recording	x	x	x	x	x	x	x	x	x	x
Audible & Visual Alarm for Temperature deviation	x	x	x	x	x	x	x	x	x	x

* Permanent magnet DC with pulse width modulation. | ** ±0.5°C in 5°C - 24°C / ±0.3°C in 25°C - 36°C / ±0.1°C in 37°C - 80°C | • +2 amps. for illumination

Variable frequency drive (vector control)

*** ±0.5°C in 15°C - 34°C / ±0.1°C in 35°C - 60°C

Δ Temperature only



Scigenics Biotech Private Limited.

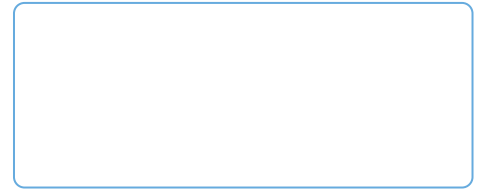
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