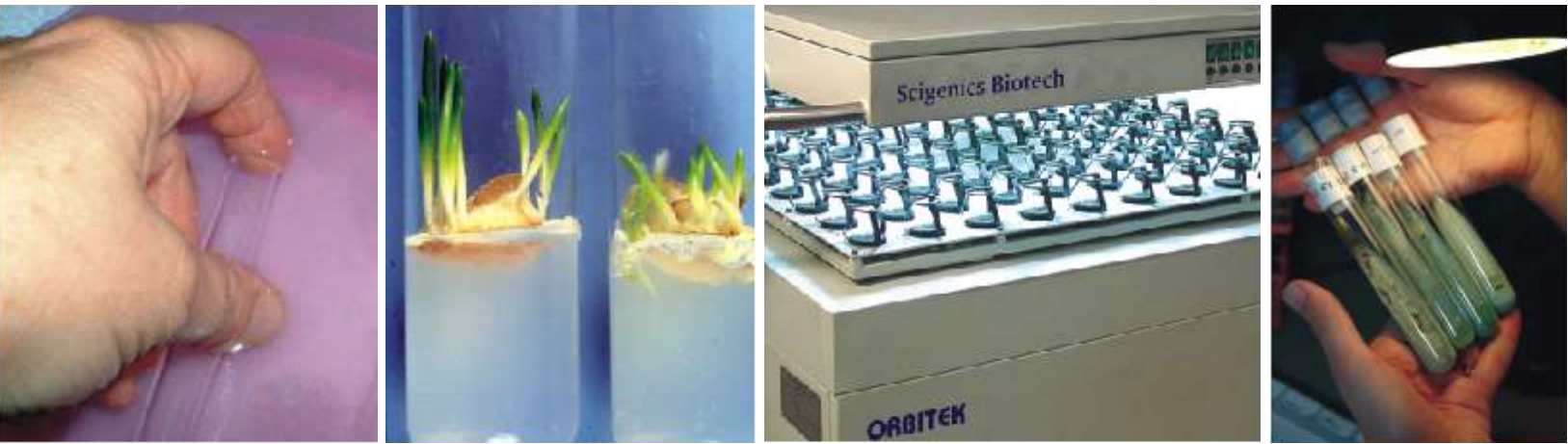


ORBITEK[®]

Range of Bio-equipment



Pilot Shaker Series

ORBITEK®

Range of Bio-equipment

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 2100 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® - P

- Ergonomically designed floor model shaker.
- Penta eccentric counter balanced movement.
- Universal platform to accommodate various sizes of clamps
- Brushless AC drive.
- Large amplitude, gentle acceleration.
- Illumination option available.

ORBITEK® - PX WITH ILLUMINATION OPTION

- Floor model large capacity shaker with extended platform
- Noiseless and vibration free motion
- Minimal foot print
- Brushless AC drive.
- Large amplitude, gentle acceleration.
- Illumination option available.



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.
- 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 pilot 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 to hold different Erlenmeyer Flasks, Test tube Racks etc.



ORBITEK® - PD

- Double decker shaker to handle large volumes.
- Noiseless and vibration free motion.
- Large capacity with minimal foot print.
- Brushless AC drive.
- Illumination option available.

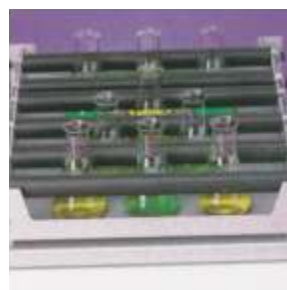
ORBITEK® - PDX WITH ILLUMINATION OPTION

- Double decker shaker with extended platform.
- Counter balanced movement.
- Permanently lubricated ball bearings.
- Recommended for continuous operation.
- Robustly designed structure.
- Illumination option facilitated



Accessories

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



ORBITEK® - PT

- Large capacity shaker with incubation hood.
- Efficient temperature control system.
- In built air baffles for better temperature uniformity.
- Universal platform to accommodate multiple range of flasks
- High end thermal insulation for better temperature maintenance.
- Illumination option available.

ORBITEK® - PE

ORBITEK® - PESS (WITH SS BODY)

- Large capacity shaker with environmental hood.
- CFC free refrigerated system
- Microprocessor based PID control for temperature.
- Noiseless and vibration less motion.
- Creates ample environment for growing cultures.
- Illumination option available.



Specifications

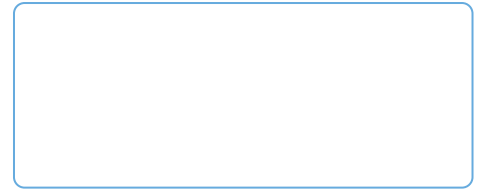
ORBITEK®		P	PT	PE	PD	PX	PDX
Shaking	Frequency (Rpm)	50-300	50-300	50-300	50-180	50-200	50-180
	Deviation (%)	±2% of the set value	±2% of the set value	±2% of the set value	±2% of the set value	±2% of the set value	±2% of the set value
Diameter of orbital motion(mm)	Indication	Digital Orbital	Digital Orbital	Digital Orbital	Digital Orbital	Digital Orbital	Digital Orbital
	Drive	50	50	50	50	50	50
Universal platform size(mm)- Qty in Nos.	AC, Variable frequency drive (vector control)	770 × 770 - 1No.	AC, Variable frequency drive (vector control)	AC, Variable frequency drive (vector control)	AC, Variable frequency drive (vector control)	AC, Variable frequency drive (vector control)	AC, Variable frequency drive (vector control)
	Range(°C)	NA	770X770 - 1No. Amb. +5°c to 60°C	770X770 - 1No. 10°c to 60°C	770 × 770 - 2Nos. NA	1000X1000 - 1No. NA	1000X1000 - 2Nos. NA
	Accuracy(°C)	NA	± 0.1°C	± 0.5°C in 10° ~ 24°C, ± 0.3°C in 24.1° ~ 36°C ± 0.1°C in 37° ~ 60°C	NA	NA	NA
	Temp.						
Heater power (W)	Sensor	NA	PT100	PT 100	NA	NA	NA
	Indication	NA	Digital	Digital	NA	NA	NA
	Control	NA	Microprocessor based PID control	Microprocessor based PID control	NA	NA	NA
Electrical Requirements	Internal(WxDxH)cm	10, 230V, 2 Amps, 50Hz	10, 230V, 6 Amps, 50Hz	10, 230V, 15 AMPS, 50Hz	230V,2 Amps,50HZ,10	230V,2 Amps,50Hz,10	1230V, 2 AMPS, 50 Hz,10
	External(WxDxH)cm	100x100x26	90 × 90 × 62 110x130x113	90 × 90 × 62 110x140x113	100x100x100	NA	NA
Alarm for Temp dev.	Audible	NA	✓	✓	NA	NA	NA
	Visual	NA	✓	✓	NA	NA	NA
	Fluorescent	NA	✓	✓	NA	NA	NA
Timer	Speed	✓	✓	✓	✓	✓	✓
	Temperature	NA	✓	✓	NA	NA	NA
Illumination (ILL)	Fluorescent	✓	✓	✓	✓	✓	✓
	UV	NA	✓	✓	NA	NA	NA
Humidity measurement		NA	✓	✓	NA	NA	NA
5V O/P for recording		✓	✓	✓	✓	✓	✓
RS 232 provision		✓	✓	✓	✓	✓	✓
Chart recorder	Speed	✓	✓	✓	✓	✓	✓
	Temp	NA	✓	✓	NA	NA	NA
Gas Purging facility		NA	✓	✓	NA	NA	NA
OPTIONAL FEATURES							



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