

ORBITEK®

Range of Bio-equipment



SCIGENICS BIOTECH
PRIVATE LIMITED

INCUBATOR
CATALOGUE

www.scigenicsbiotech.com

ABOUT US

(SCIBIO) was set up in 1997, as a pioneering venture to address the instrumentation needs of Life Sciences and Biotechnology scientists in India. Over the years and several thousand shakers and other lab products, our brand **ORBITEK®** is trusted and occupies the pride of place in innumerable leading labs across the country, thanks to the company's unequivocal emphasis on quality all through. ISO 9001-2015 certified, SCIBIO's products are CE certified to comply with international safety norms. Today SCIBIO has presence in Europe, Japan, Malaysia, Thailand etc.

ORBITEK® - INCAUBATORS

ORBITEK® Incubators (INC) and Cooling (BOD) Incubators (CINC) are rugged, low maintenance Temperature Controlled Static Incubators that are used for various research & Industrial applications like Bacterial or Tissue Culturing, BOD Determinations, Fermentation or Yeast Studies, Plants & Insect Studies and many several applications.

ORBITEK® CINC
Part No.:CINC - 200L



ORBITEK® CINC
Part No.:CINC - 350L



SALIENT FEATURES

- Manufactured with cold rolled (powder coated) mild steel exterior and high quality SS 304 grade interior, ensuring resistance to abrasions.
- Robust construction with minimal foot print and noiseless operation.
- Finned tubular air heater for better heat transfer.
- Fibre glass wool insulation ensures stable maintenance of temperature irrespective of atmospheric condition.
- ORBITEK® INC / CINC features microprocessor based PID temperature controller with Auto tuning facility.
- Display screen shows both, actual and set values of the parameters.



ORBITEK® CINC Part No.:CINC - 100L

- Programmable controller with circuit with Incremental Decremental Temperature control of 0.1°C.
- Excellent temperature uniformity inside the chamber through forced air convection via 2 fans.
- Distributed Air Handling System (DAHS) incorporated for better temperature distribution and heating up time of less than 45 min from standard ambient to 37°C.
- Polished perforated SS shelves for better air circulation.
- Rounded edges and corners for easy cleaning in OR BITEK® INC variants
- Double glazed viewing window & one LED lamp for easy visibility of samples without opening of the door.
- Door with EPDM Magnetic gasket for sealing.
- Low energy consumption and Hermetically Sealed CFC free refrigeration system.
- Capable of holding detachable mini shaker. OR-BITEK® L Mini-SS-D.

- Multiple steps programmable controls (User Selectable) automatically changes parameters at timed intervals.
- Sensitive Touch Screen operation for temperature and other parameters.
- Large LCD Touch Screen (Screen Color selectable) has Human Machine Interface for user friendly operations.
- RS485/USB/Ethernet ports available for Data logging/ any external Building Management Software (BMS) / external conventional lab management software.

SAFETY FEATURES

1. Deviation alarm for Temperature(Audio/Visual)
2. Chamber high temperature warning for operator safety, when door is open.
3. Provided with Residual Current Circuit Breaker (RCCB) for user Safety.
4. Thermostat cut – off for temperature over shoot.

HMI (H) Variants

Powerful Program Logic Control (PLC) systems provides highly precise & expandable PID control system for working parameters

Model	ORBITEK® INC 100	ORBITEK® INC 200	ORBITEK® INC 350	ORBITEK® INC 450
Capacity	100 Ltrs.	200 Ltrs.	350 Ltrs.	450 Ltrs.
Temperature Range ¹	Ambient +5°C to 60°C			
Temperature Accuracy ^{1,2}	0.1° C			
Interior Dimensions (WxDxH) (mm)	500 x 510 x 450	515 x 500 x 795	720 x 510 x 1000	720x 510x 1315
Exterior Dimensions (WxDxH) (mm)	620 x 810 x 760	621 x 800 x 1130	826 x 823 x 1350	826 x 725 x 2250
Net Weight (Kg)	80	190	200	350
Power	230V,6 Amps, 50 Hz, 1Φ			

Model	ORBITEK® CINC 100	ORBITEK® CINC 200	ORBITEK® CINC 350	ORBITEK® CINC 450
Capacity	100 Ltrs.	200 Ltrs.	350 Ltrs.	450 Ltrs.
Temperature Range ¹	5°C to 60°C			
Temperature Accuracy ¹	+/- 0.5° C in 5°C to 24.9°C +/- 0.3° C in 24.9°C to 36.9°C +/- 0.1° C in 37°C to 60°C			
Interior Dimensions (WxDxH) (mm)	500 x 490 x 425	515x 500x 645	720x 510x 1000	720x 510x 1315
Exterior Dimensions (WxDxH) (mm)	570 x 691 x 815	621 x 800 x 1207	826 x 823 x 1764	826 x 725 x 2250
Net Weight (Kg)	98	190	220	350
Power	230V,16 Amps, 50 Hz, 1Φ			

GENERAL FEATURES

MOC	Interior: SS 304 and Exterior: MS Powder coated steel			
Temperature Controller	Microprocessor based PID controller or PLC based PID Controller (for HMI Varients)			
Temperature Change via	Soft Touch Keypad or Touch Screen (for HMI Varients)			
Temperature Display ³	Digital LED or Colour LCD (for HMI Varients)			
Maximum No. of Shelf	2 3	3 5	3 5	5 5

OPTIONAL FEATURES

Photosynthetic Light Bank	LED, Red, Blue, Green, Cool/Warm white, UV-B lamp, linearly variable intensity max. upto 30000 lux			
Decontamination	UV-C lamp			
Timer	Cyclic / Real Timer			
Moisture Proof Socket	Yes			
Inner Door	Yes			
Gas Purging	Chamber / Manifold for individual Flask			
Humidity control	50 to 85% RH (at 15 to 40°C)			
GMP Version	SS316/SS304 Exterior, 21 CFR part 11 compliant data logging			

Notes:

1. Temperature Uniformity +/-1°C 2. At standard ambient <28.0°C Customized INC/CINC options are available upon request

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Specifications/Model/Part Nos. are subjected to change without notice

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