

B.O.D. INCUBATOR

- We present the ultra-high-tech Triple walled Microprocessor controlled, solid-state heating/cooling incubator (BOD Incubator) down to earth.
- Specially designed for incubation of Biochemical Oxygen demand on water and sewage; can be used as environmental study and growth chamber by incorporating lighting and humidification system.
- Used in various applications for microbiology, cell cultivation of animals, plants & food studies- where experiments requiring low temperature conditions.

SALIENT FEATURES:

- Robust construction Inner & Outer chamber complete made of Stainless Steel.
- Fitted with durable coaxial blower for forced air circulation at triple walled back to maintain temperature uniformity in the chamber.
- Door operated illumination lamp is fitted inside the chamber for easy visibility.
- A full view inner acrylic door enables inspection and monitoring of inner chamber specimens without disturbing the process temperature.
- High grade PUF INSULATION between outer and inner chamber for minimal thermal losses.
- Cooling is done by finned tube evaporator lie in the air circulation path by ISI marked Compressor/Condensing Units CFC free & R-134 a eco friendly refrigerant.
- Heating elements are placed in the path of moving air duly insulated from the body.
- Inner chamber has ribs for placing the shelves at convenient levels. Supplied with 2 or 3 removable shelves.
- Control panel having all controls and circuitry are housed at the top fitted with Temperature controller cum Indicator Microprocessor based with LED display for Set Value (SV) & Process Value (PV) to select any desired temperature provided with Volt meter on the panel to read the incoming voltage.
- Caster wheel mounted for easy portability.
- Supplied with cord and plug.
- Operating Voltage: 220 Volts AC (50 Hz).



TECHNICAL SPECIFICATION & ORDERING INFORMATION Of B.O.D. Incubator



Model No.	LSI-108-BOD2	LSI-108-BOD4	LSI-108-BOD6	LSI-108-BOD10	LSI-108-BOD12	LSI-108-BOD15
Usable Space in MM	405 x 405 x 405	610 x 450 x 410	845 x 500 x 400	870 x 570 x 560	900 x 650 x 570	700 x 900 x 650
Capacity	2 cu. Ft	4 cu. ft	6 cu. ft	10 cu. ft	12 cu. ft	15 cu. ft
Approx Volume (Ltr)	60 ltrs	113 ltrs	173 ltrs	282 ltrs	342 ltr	421 ltrs
No. of Shelves	2	2	2	2	2	2
Temperature Range	5°C above ambient to 60°C (Resolution 0.1°C)					
Temp. Controller	By Microprocessor Based PID Digital Temperature Indicator cum Controller.					
Temp. Accuracy	+0.5°C					
Display	LED Display for Set Value(SV) and Process Value (PV)					
Relay	Solid state electronic relay with protective heat sink					
Auto Tuning System	System is compatible with auto tuning system					
Air Circulation	By forced convection system Insulation By High density PUF					
insulation Operations	Nearly silent operation with ultra -low vibration					
Voltage Indicator	By Digital Volt Meter fitted on Panel					
High Voltage Protection	Through automatic voltage stabilizer (Optional)					
Electric Supply	220/230V AC, 50/60Hz					

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