

CO₂ INCUBATOR

Specifications:

- CO₂ incubator with air jacketed provision for accurate and precise controls of CO₂
- Capacity: 150 - 180 lit
- Temperature Range: ambient +4 to 55° C, ($\pm 0.3^{\circ}$ C uniformity, Control & stability: $\pm 0.1^{\circ}$ C)
- Microprocessor based PID Controller for Temperature
- Key pad with LCD display of Temperature and CO₂ level
- System with decontamination facility is desirable
- Should have a non-volatile memory based 72 hour data logger.
- Seamless stainless steel chamber with sealed inner glass door.
- Reservoir: Removable stainless steel tray/chamber to hold 2 – 3 lit water;
- CO₂ Sensor: Auto-zero Programmable function
- CO₂ Range: 0-20 %; CO₂-Control: $\pm 0.1\%$; CO₂-Stability: $\pm 0.2\%$; CO₂-Uniformity: $\pm 0.1\%$
- Auto Calibration of CO₂ level.
- Alarm Set points should reset automatically. Fast recovery of temperature and gas levels after power failure and recovery.
- Audio & visible alarm for both Temperature and gas levels
- HEPA filters on CO₂ inlet to provide additional protection against contamination and 0.22 μ m membrane filters for water filtration.
- Fan less design with thermal conductivity sensor is preferable.
- Easy to clean, concave corners and polished stainless steel interior with four shelves of adjustable heights.
- Cylinders: Cylinders and regulators (double stage) with tubing and fittings and all other accessories.
- Safety: ISO 9001 or CE certified/reputed certification.
- Operating Voltage 230 \pm 10VAC, 50Hz

Other requirements

- Three Years comprehensive warranty with 2 more years free AMC
- Local Service Support should be within 24 hours.
- Additional features/accessories, if any that can potentially increase the productivity and safety of this instrument should be quoted as optional items.
- Compatible UPS should be supplied