



PL T-141 AA

BOD Incubator

Automatic



BOD Incubator Automatic

APPLICATION

- TANCO brings the ultra-high-tech Triple Microprocessor controlled, solid-state heating/ cooling incubator (BOD Incubator) down to earth.
- BOD Incubator is 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.
- BOD Incubator is Used in various applications for microbiology, cell cultivation of animals, plants & food studies- where experiments requiring low temperature conditions. Used for microorganism or activation, good storage and desalting process of enzyme extracts and for preservation of vaccines, insulin, level extracts, a* 15°C for serological and complement fixation tests for enzymatic digestion process.



SILENT FEATURES

Applications

- Biochemical Oxygen Demand (BOD) analysis
- Microbiological and biological laboratories
- Environmental testing laboratories
- Research & quality control labs

Key Features

- Eco-friendly, CFC-free refrigeration system
- High-precision microprocessor / PLC-HMI control
- Uniform temperature distribution with forced air circulation
- 21 CFR Part 11 compliant data integrity software
- User-friendly operation with safety interlocks and alarms

Safety & Protection Features

- High temperature safety cut-off
- High / low temperature alarm system
- Sensor failure alarm
- Electrical circuit breaker protection
- Visual alarm (standard)
- Auto door closer for thermal stability

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Mobility & Ergonomics

- Heavy-duty caster wheels with brakes
- Smooth interior surfaces for easy cleaning
- Clear visibility through toughened glass door

Compliance & Certification

- CE Certified Product
- ISO Certified Manufacturer
- Eco-friendly & energy-efficient design

Warranty & Service

- 3 Years Comprehensive Warranty
- Further 3 Years AMC support available

Parameter	Specification
Capacity	173 Liters
Temperature Range	5 °C to 60 °C
Temperature Accuracy	±0.2 °C @ 37 °C
Temperature Deviation	≤ ±0.1 °C
Controller	Microprocessor controlled / PLC-HMI
Display	Large LCD display
Inner Chamber	AISI 304 Stainless Steel with rounded corners
External Cabinet	Powder coated steel
Inner Door	Toughened glass door for easy viewing
Heating System	Long-life SS tubular heaters
Cooling System	Hermetically sealed compressor with CFC-free refrigerant
Insulation	CFC-free PUF insulation
Shelves	Adjustable SS wire mesh
Air Circulation	Motorized blower
Communication Interface	RS-232 interface
PLC-HMI Controller	With USB interface
Software Compliance	21 CFR Part 11 compliant
Data Recording	Internal thermal printer
Power Supply	230 V / 50 Hz, Single Phase

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