

CO₂ INCUBATOR - 80L



REF: BPN-80CH(UV)
With Infrared CO₂ Sensor

Features

- Faster CO₂ concentration Restoration Speed.
- Infrared sensor can keep CO₂ concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning(except water-jacketed type), and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust ($\Phi < 0.3\mu\text{m}$) and supplies pure CO₂ into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.(Option)
- Alarm function for temperature difference, CO₂ over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.

Options

- RS-485 Connector: easy to download and save all the data via RS-485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO₂ pressure releasing valve
- Humidity display system
- Printer(Nested)
- Temperature-limiting alarm system
- Cooling system

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Technical specifications

Parameters	Description
Electrical Requirement	110V 60Hz
Power Consumption	500W
Heating Method	Air-jacketed, PID Control
Temperature Range	RT+5~50°C
Ambient Temperature	+5~30 °C
Temperature Stability	±0.2 °C
CO ₂ Range	0~ 20% V/V
CO ₂ Control Resolution	±0.1%(IR sensor)
CO ₂ Recovery	(Door open 30s,recovery to 5%) ≤ 3min
Temperature Recovery	(Door open 30s,recovery to 37) ≤ 8min
Humidity Method	Natural vaporization ≥ 90%
Chamber Volume	80L
Interior Dimension(W×D×H)mm	400×450×500
Exterior Dimension(W×D×H)mm	590×657×870
Shelves	2(pcs)
Sterilization method	UV Sterilizer

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