



CO2 INCUBATOR AIR JACKETED BGI1X1 (BCAJ-6801)

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CO2 INCUBATOR



With Imported Infrared CO2 Sensor

- Faster CO2 concentration Restoration Speed.
- Imported Infrared sensor can keep CO2 concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, 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.

SPECIFICATIONS

Model	BGI1X1
Old Model	BCAJ-6801
Chamber Volume	40L
Temperature Range	RT+5°C ~55°C
Electrical Requirement	220V 50Hz
Power Consumption	350W
Ambient Temperature	+5~30°C
Heating Method	Air-jacketed, PID Control
Temperature Resolution	0.1
Temperature Stability	±0.1°C
Temperature Uniformity (37°C)	±0.3°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°C) ≤ 8min
Humidity Method	Natural vaporization ≥ 90%
Shelves	2(pcs)
Interior Dimension (WxHxD)mm	400x286x350
Exterior Dimension (WxHxD)mm	590x440x576
Sterilization Method	18hrs (90°C moist heat disinfection)
Alt Name	CO2 Incubator



FEATURES

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- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- 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.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.
- UV light system for periodic sterilization of chamber.

Options:

- RS485 Connector: Easy to download and save all the data via RS485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO2 pressure releasing valve.
- Humidity display system.



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