## $CO_2$ Incubator
### With Imported Infrared $CO_2$ Sensor




## Product Features

- Rapid $CO_2$ concentration Restoration
- Infrared sensor keeps $CO_2$ concentration stable and uniform even over periods of frequent door opens
- Polished stainless-steel chamber, with rounded corners construction and adjustable shelves
- Equipped with microbiological grade HEPA filter at the $CO_2$ access port, effectively filtering particles ≥0.3μm including bacteria, dust and gas contaminants with a filtration efficiency of 99.99%
- Door heater prevents condensation formation on glass door of incubator
- Independent audible and visible temperature-limiting alarm system
- Alarm function for low and over temperature, $CO_2$ over concentration, doorajar and UV operation status
- Auto-controlled fan speed to prevent damage to samples
- PID controller with LCD screen ensures precise and reliable control
- Stackable up to 2units
- UV light for periodic sterilization of chamber

## Add-Ons

- RS485 connection: Offers computer connection to download and save all data via RS485
- High effective filter provides filtration of bacteria and dust
- $CO_2$ pressure release valve
- Humidity display

## Specifications

| Model | BPN-80CRH | BPN-150CRH |
|---|---|---|
| Chamber Volume (L) | 80 | 155 |
| Temperature Range (°C) | RT+5 ~55 | |
| Electrical Requirement (V/Hz) | 220/50 | |
| Power Consumption (W) | 500 | 750 |
| Operating Ambient Temperature (°C) | +5~30 | |
| Heating Method | Air-jacket, PID Control | |
| Temperature Resolution (°C) | 0.1 | |
| Temperature Stability (°C) | ±0.1 | |
| Temperature uniformity (°C) | ±0.3 (@37) | |
| $CO_2$ Range (%) | 0~ 20 | |
| $CO_2$ Control Resolution | ±0.1% (IR sensor) | |
| $CO_2$ Recovery (min) | (Door opens 30s, recovery to 5%) ≤ 3 | |
| Temperature Recovery (min) | (Door opens 30s, recovery to 37°C ) ≤ 8 | |
| Humidity Method/Maximum | Natural evaporation ≥ 90% | |
| Shelves (pcs) | 2 | 3 |
| Interior Dimension (W*D*H)(mm) | 400*450*500 | 480*530*610 |
| Exterior Dimension (W*D*H)(mm) | 590*687*790 | 670*767*880 |
| Sterilization method/Duration (hrs) | 90°C moist heat disinfection/18 | |