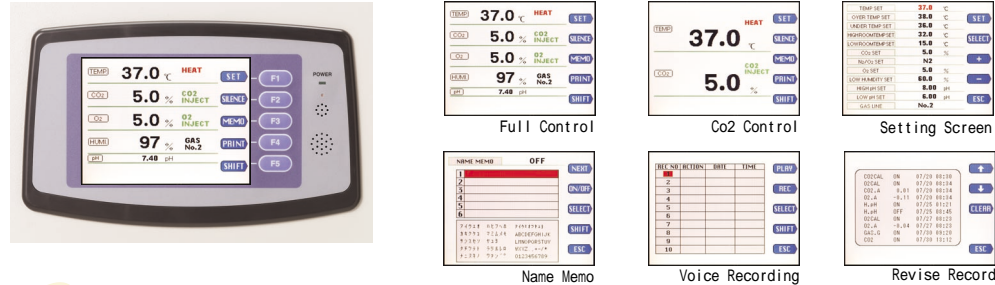


New functions for a new generation of incubator

● Color LCD display, voice guidance, IR sensor, auxiliary chamber heater, automatic calibration, right/left door mounting and more! ●

Wide-format color LCD monitor

The new display not only shows the culture conditions, but also displays detailed warnings and cautions. Additionally, there are three formats for user-entered remarks that allow easier control of the culture conditions.



Voice guidance

A synthesized voice announces warnings and alarms. It is also possible to record the user's voice commands and play them at a pre-set time.

Alarms

Screen display	Voice guidance
ADD WATER	The jacket water level is low. Please add water
OVER TEMP	The chamber temperature is too high.
UNDER TEMP	The chamber temperature is too low.
CO2 ALARM	There is a CO2 concentration error.
O2 ALARM	There is a O2 concentration error.
LOW HUMIDITY	The chamber humidity is too low.
GAS GUARD	One of the gas cylinders is empty.
EXCHNAGE HUM	Please replace humidifying tray and add water.
NEWS MEMO	Please check a message on the display.

Recording

Capacity	15sec/each msg (Up to 10msg)
Replay recorded data	Replay at door opening. Replay at pre-set time. Replay each week.

IR sensor

A new IR sensor for measuring CO₂ concentration is not affected by humidity changes inside the chamber. Unlike other sensors, the IR sensor does not change chamber humidity during its operation.

Automated calibration

The calibration of CO₂ and O₂ concentrations is automatically carried out a preset time.

Auxiliary chamber heater

An auxiliary chamber heater helps to return the inside temperature quickly after opening and closing the door. The heating rate for returning temperature is programmable.

Right/Left door mounting

The door can be mounted to open either from the left or right(Optional at shipping)

10-day data storage

Storing and printing out all of the 8-point data sets for the past 10 days is an easy operation (*printer optional), making troubleshooting problems simple. Continuous, real-time printing is also possible.

Serial interface

The standard chamber carries serial interface.



CDI-165(Single)



CDI-165(Double)

Analog output (optional)

An 8-point analog output of the following parameters can be used for validation:

- *Chamber temperature
- *Water-jacket temperature
- *CO₂ concentration
- *Humidity (with humidity sensor on)
- *Exterior door temperature
- *Room temperature
- *O₂ concentration
- *pH (with pH sensor on)

Full range of accessories

- *Gas Guard system: automatic changeover device for switching gas cylinders.
- *Humidity monitor: allows setting of the monitor and low-humidity alarm.
- *pH monitor: easy monitoring only by connecting to the pH sensor.