

# Economical Incubator (Natural Convection)

Fixed temp. operation, air jacket

## IC402/602/802

Natural convection  
by air jacket

Self-diagnosis

Overheat protector

Operating temp. range RT+5°C~80°C

Temp. distribution accuracy ±1.0°C (at 37°C)

Internal capacity 97L IC402 159L IC602 318L IC802

Key lock

Overcurrent ELB

## Highly functional fixed temp. incubator with varying capacity.

### Operation and functions

- Temperature is evenly distributed as it conducts heat by air jacket.
- Double-door structure reduces heat loss maintaining constant temp. state.
- Inner door for sample observation is made of toughened glass
- Easy operation with fixed temp., quick auto stop, auto stop and auto start functions.
- Designed with specialized function menu key and up/down key to set and submenu key to operate deviation correction and key lock.

### Safety

- Self-diagnosis circuit (Temp. sensor abnormal, Heater disconnection, Auto overheat prevention, SSR short circuit), Overheat protector, Electric leakage breaker, Key lock, etc.

### Specifications

Product code	211195	211196	211197
Model	IC402	IC602	IC802
System	Natural convection by air jacket		
Operating temperature range	RT+5°C~+80°C		
Temp. adjustment accuracy*1	±0.5°C (at 37°C)		
Temp. distribution accuracy*1	±1.0°C (at 37°C)		
Interior material	Stainless steel plate		
Exterior material	Cold rolled steel plate with chemical proofing coating		
Heat insulation material	Glass fiber		
Heater	0.3KW	0.4KW	0.7KW
Exhaust port	I.D. 30mm×2 (on the top)		I.D. 30mm×2, 1 for each side (left & right)
Temperature control	PID control		
Temperature setting	Use specialized function menu key and UP/DOWN key to set		
Temperature display	Measured temp. display: Green 4-digit LED digital display Setting temp. display: Red 4-digit LED digital display		
Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (with time wait function)		
Operation function	Fixed temp., Quick auto stop, Auto start, Auto stop		
Additional functions	Calibration offset, Key lock, Power outage compensation		
Sensor	Temp. controller: Pt thermal resistance, Overheat protection: K thermocouple		
Safety device	Self-diagnosis circuit (Temp. sensor abnormal, Heater disconnection, Auto overheat prevention, SSR short circuit), Overheat protector, Overcurrent ELB, Key lock		
Internal dimensions	W450×D480×H450mm	W600×D530×H500mm	W600×D530×H1,000mm
External dimensions*2	W560×D606×H820mm	W710×D656×H870mm	W710×D656×H1,619mm
Internal capacity	97L	159L	318L
Shelf plate load	15kg / pc.		
Shelf rest step number/pitch	11 steps / 30mm	13 steps / 30mm	29 steps / 30mm
Power supply (50/60Hz)	AC220V 2A	AC220V 2A	AC220 4A
Weight	Approx. 45kg	Approx. 65kg	Approx. 102kg
Shelf plate	Stainless punching metal		
Shelf / Shelf brackets	2 pcs. / 4 pcs.		4 pcs. / 8 pcs.
Door key	2 pcs.		

The length of the power cord is about 2m outside the unit.

\*1 Conditions: temperature and humidity: 23°C±5°C, 65%RH±20% (no load) \*2 Do not include protrusions

### Optional items

No.	Description	Product code	No.	Description	Product code
①	Stand ON61 (for IC402/602)	211856	⑦	Seismic mat (for IC402/602)	296902
②	Stacking support (with insulator) OD40 (for IC402)	212822	⑧	*Cable port ø25mm	281121
③	Stacking support (with insulator) OD60 (for IC602)	212823	⑨	*Cable port ø50mm	281122
④	Stainless punching metal shelf (with bracket 2pcs) (for IC402)	212246	⑩	*Temperature output terminal (4~20mA) ODK12	281123
⑤	Stainless punching metal shelf (with bracket 2pcs) (for IC602/802)	212266	⑪	*Time-up output terminal ODK14	281124
⑥	Stainless wire shelf (with bracket 2pcs) (for IC602/802)	213464			

\* Please specify when ordering main unit.



97L  
IC402+ON61 (Option)

159L  
IC602+ON61 (Option)

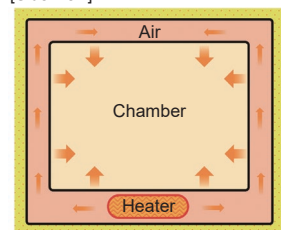
318L  
IC802

## Interior (IC602)



## Method

[Side view]



## Dimensions (mm)

