



IC402/602

Incubators of natural convection by air-jacket, equipped with various functions. They are equipped with a newly developed controller, and can be operated by an interactive key input, and are also equipped with a temperature memory function.

Model		
402	602	802
Operating Temperature Range		
Room temp. +5deg.C to 80 deg.C		
Temp. Distribution Accuracy		
±1.0deg.C(at37deg.C)		
Internal Capacity		
97 L	159 L	318 L



IC802

- The air-jacket method makes it possible to uniformize the distribution of temperature.
- Setting can be made digitally using the dedicated operation menu keys or the keys, setting, measuring and over-heat setting temperature are displayed simultaneously.
- Samples can be observed through the inner door.
- Equipped with self-diagnosis function, a key-lock function and an over current breaker.
- Possible to place the models IS402/602 in piles, one over the other.

■ Specifications

Model	IC402	IC602	IC802
Performance			
Circulation method	Natural convection by air jacket		
Operating temperature range	Room temperature +5 to 80deg.C		
Temp. adjustment accuracy	±0.5deg.C (at 37deg.C)		
Temp. distribution accuracy	±1.0deg.C (at 37deg.C)		
Components			
Interior Material	Stainless steel		
Exterior material	Electro-galvanized steel sheet with melamine resin baking finish		
Heat insulating material	Glass wool		
Heater	Iron-chrome wire heater, 0.3KW	Iron-chrome wire heater, 0.4KW	Iron-chrome wire heater, 0.7KW
Controller			
Temp. controller	PID control by microprocessor		
Temp. setting method	Operation menu key and digital setting by key		
Temp display method	Measurement temp. : Digital display by green LED Setting temp. : Digital display by red LED		
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs. 50min.		
Operation function	Fixed temperature operation, quick auto-stop, Auto-stop, Auto-start		
Additional functions	Calibration off-set, Key lock function, Uninterruptible power for memory		
Heater circuit control	SSR control		
Sensor	Pt sensor, K-thermocouple		
Safe Device			
Safety countermeasures	Self diagnosis functions (temp. sensor abnormal, heater disconnection, SSR short, automatic overheat prevention), Key lock function, Electric leakage breaker with over current protection, Overheat prevention device		
Standard			
Internal dimensions (W×D×Hmm)	450×480×450	600×530×500	600×530×1,000
External dimensions(W×D×Hmm)	560×606×820	710×656×870	710×656×1,619
Internal capacity	97 liters	159 liters	318 liters
Shelf plate with standard load	Approx. 15 kg/piece		
Shelf rest step number	11 steps	13 steps	29 steps
Shelf rest pitch	30mm		
Power source 50/60Hz	AC100V 3.2A (10A)	AC100V 4.2A (10A)	AC100V 7.5A (15A)
weight	Approx. 45 kg	Approx. 65 kg	Approx. 102 kg
Accessories			
Shelf plate	Stainless steel, 2 pcs.	Stainless steel, 2 pcs.	Stainless steel, 4 pcs.
Shelf bracket	4 pcs.	4pcs.	8 pcs.

*The performance shown here is the value under the condition of the ambient temperature of 23deg.C±5deg.C, humidity of 65%RH±20%.

*The projection is not included for Internal dimensions and External dimensions.

■ Control panel



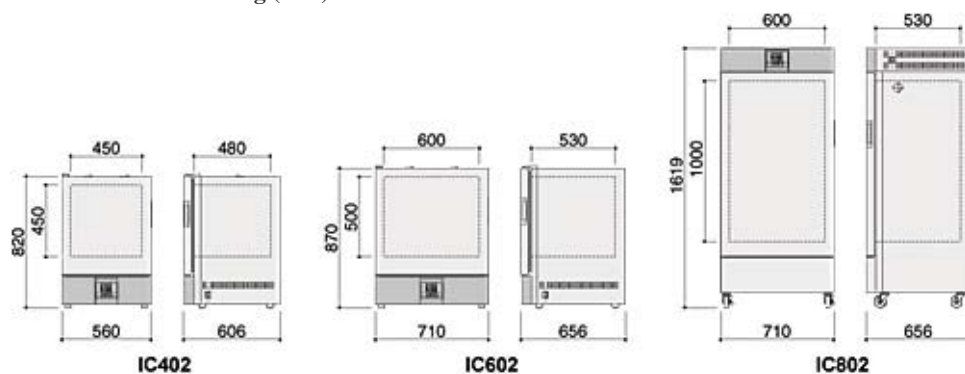
■ Shelf & Brackets



■ Internal tank



■ Dimensional drawing (mm)



■ Optional items

Remark	Description	Model No.	Product Code
○	Stand ON61 (for 402/602)	IC Series	211856
	Stacking Support OD40 (for 402)	IC Series	212822
	Stacking Support OD60 (for 602)	IC Series	212823
	Shelf (with support 2pcs.), ODK88 for 402	IC Series	212246
	Shelf (with support 2pcs.), ODK22 for 602/802	IC Series	212266
	Anti-vibration material with support EPM-08	IC Series	851352
	Anti-vibration material without support EPM-05	IC Series	851351
●	25m dia Cable Port	IC Series	281121
●	30m dia Cable Port	IC Series	281122
●	Temperature Output Terminal 4-20mA, for ODK12	IC Series	281123
●	Time-up Output Terminal for ODK14	IC Series	281124

Note:

1. The item marked "●" in the column of "Remark" shall be ordered together with the main unit.
2. The transportation cost will not be required if the order is together with main unit except the item marked "○". In case you order the item marked "○" together with the main unit, please ask Yamato to obtain the correct transportation cost.