

Incubator (Natural Convection, Air Jacket)

Programmable operation

IS412C/612C/812C/912C

Operating temp. range RT+5°C~80°C

Temp. distribution accuracy $\pm 1.0^{\circ}\text{C}$ (at 37°C)

Internal capacity 97L IS412C 159L IS612C 318L IS812C 567L IS912C

Highly functional constant temp. incubator with varying capacity.

■ Features

- 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., program, 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 overheat protector, deviation correction and key lock.
- Program operation: 3 segments, 30 steps, with repeat function.

■ Safety features

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, electric leakage breaker, key lock, etc.



(Stand optional)

■ Specifications

Specifications

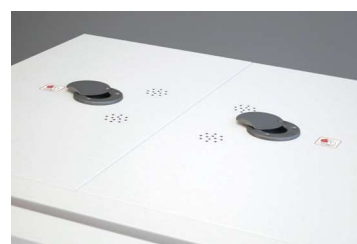
Model	IS412C	IS612C	IS812C	IS912C
System	Natural convection by air jacket			
Operating temperature range	RT+5°C~+80°C			
Temperature adjustment accuracy	±0.5°C (at 37°C)			
Temperature distribution accuracy	±1.0°C (at 37°C)			
Interior material	Stainless steel plate			
Exterior material	Cold rolled steel plate with chemical proofing coating			
Heat insulation material	Glass fiber			
Heater	Nichrome wire heater			
	0.3KW	0.4KW	0.7KW	2.2KW
Exhaust port	I.D. 30mm×2, on 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., Auto start, Auto stop, Program			
Program mode	Program operation 3 segments 30 steps (30 steps×1, 15 steps×2, 10 steps×3)			
Heater circuit control	Deviation correction, Key lock, Power outage compensation			
Sensor	Temp. controller: Pt thermal resistance, Overheat protection: K thermocouple			
Safety device	Self-diagnosis circuit (Abnormal temp. Sensing, Heater disconnection, Auto overheat prevention, SSR short circuit), Overheat protector, Overcurrent ELB, Key lock			
Internal dimensions (W×D×Hmm)	450×480×450	600×530×500	600×530×1000	1070×530×1000
External dimensions (W×D×Hmm)	560×606×820	710×656×870	710×656×1619	1180×655×1619
Internal capacity	97L	159L	318L	567L
Shelf plate load	15kg / pc.			
Shelf rest step number / pitch	9 steps / 30mm	12 steps / 30mm	29 steps / 30mm	29 steps×2 / 30mm
Power supply (50/60Hz)	AC220 1.5A	AC220 2A	AC220 3.5A	AC220V 6.5A
Weight	Approx. 45kg	Approx. 65kg	Approx. 102kg	Approx. 166kg
Shelf plate	Stainless punching metal			
Shelf / Shelf brackets	2 pcs. / 4 pcs.		4 pcs. / 8 pcs.	8 pcs. / 16 pcs.
Optional	Stand	ON61C		—
	Stacking bracket	OD40C	OD60C	—
	Others	Shelf plate (1 plate with 2 rests), Cable hole (30/50mm), Recorder, Indicator lamp (Stand-by / running / malfunction), Observation window, External communication (RS485), Temp. output terminal (4~20mA), Output terminal for alarm device, Time up output terminal		



Control Panel



Exhaust port (IS412C/612C)



Interior (IS612C)



Shelf & Bracket Set



Dimensions (mm)

