

# Products for Industry

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Low Temperature Incubator  
(Programmable, Air Jacket)

## IL603

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## Low Temperature Incubator (Programmable, Air Jacket) (IL603)

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### Product Summary

#### Constant Low Temperature Incubator of Multi-function and Air Jacket

#### Features of Low Temperature Incubator (Programmable, Air Jacket) (IL603)

##### Multi-function refrigerant incubator

Environment-friendly refrigerant R134a

##### Feature

Air jacket and PID control realizes the highly precise temperature control and the uniformity of temperature distribution

##### Feature

Various functions such as Individual overheat protection, auto start, auto stop, defrost, RS485 communication port, temperature output terminal(4 to 20mA), Alarm output terminal(IL612C)

##### Feature

Equipped with individual overheat preventor, program function up to 99 steps, fixed temperature operation

##### Feature

Optional cable enables the remote operation control

### Safety features

Self-diagnosis, refrigerator heat overload protector, refrigerator delay start protection, overheat protector, electric leakage breaker, key lock, etc.

## Specifications

### Specifications

<b>Item Code</b>	<b>211156</b>
<b>Model</b>	<b>IL603</b>
<b>System</b>	Natural convection, Air jacket
<b>Operating Temperature Range</b>	0~50°C
<b>Temperature Adjustment Accuracy</b>	±0.3°C (at 37°C when refrigerator in continuous operation), ±1.0°C (at 37°C when refrigerator cycle operation)
<b>Temperature Distribution Accuracy</b>	±1.0°C (at 37°C)
<b>Refrigerator</b>	300W, R134a
<b>Defrost Function</b>	Manual / Cycle
<b>Heater</b>	Nichrome wire heater 800W
<b>Sensor</b>	Double sensor:Pt. resistance temperature detector, Pt100Ω(Temperature controller), K-thermocouple(Overheat prevention device)
<b>Door Lock</b>	1 set
<b>Cable Port</b>	50mm ID (Right side from the front)
<b>Temperature Controller</b>	VS3P PID control
<b>Operation</b>	Fixed temp., Timer
<b>Safety Device</b>	Self-diagnosis, Overcurrent ELB, Refrigerator overload relay, Refrigerator delay protection, overheat protector(IL612C), Individual overheat protector (IL812C)
<b>Shelf Loading Capacity</b>	15kg/shelf
<b>Shelf Support Step Number</b>	12 steps
<b>Shelf Support Pitch</b>	30mm
<b>Shelf / Support</b>	Stainless punching metal 3 shelves / 6 supports
<b>Door Key</b>	2 pcs.
<b>Internal dimensions (W×D×H mm)</b>	600×530×500mm
<b>External dimensions (W×D×H mm)</b>	710×645×1008mm
<b>Remarks(dimensions)</b>	159L
<b>Power Source</b>	AC115/220V Single phase
<b>Weight</b>	90kg

### Maintenance and warranty

Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

External dimensions do not include protrusions.

## Optional items



External alarm output terminal  
(for IL600 series (YSJ))



Time-up output terminal (for  
IL600 series (YSJ))



Stand (ON61)

