

# Low Temperature Incubator (Programmable, Air Jacket)

IL603

0~50°C

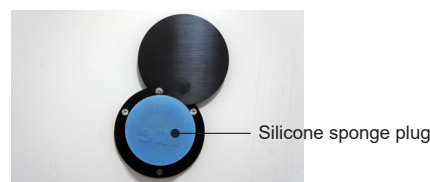
±1.0°C  
(at 37°C during continuous operation)

159L

**Low temperature incubator, ideal for testing incubation experiments.**

- The amount of frost to the evaporator has been greatly improved due to our own refrigerator circuit.
- Air jacket structure and inner glass door is equipped.
- Analog output terminal (temperature output 4 to 20 mA, external communication (RS 485)) are equipped as standard.
- A  $\phi$  50 mm cable hole and a silicone sponge stopper are equipped as standard.

## Cable hole (left side)



(Stand optional)

## Specifications

Method	IL603
Circulation method	Natural convection by air jacket
Operating temperature range	0~50°C
Temp. control accuracy / Temp. fluctuation	JTM K05 ±0.3°C / JIS ±1.0°C (at 37°C during continuous operation) JTM K05 ±1.0°C / JIS ±1.5°C (at 37°C cycle operation)
Temp. distribution accuracy / Temp. gradient	JTM K05 ±1.0°C / JIS ±2.2°C (at 37°C during continuous operation)
Refrigerator operating range	Setting temperature -5°C~44°C
Interior Material	Stainless steel SUS304
Frost observation window	Transparent acrylic board
Inner door	5mm thick reinforced glass
Temp. controller	PID control by micro processor
Sensor	Pt100Ω(Temperature controller), K-thermocouple (Overheat preventive device)
Temp. setting method	Digital setting with key
Temp display method	Digital display green LED
Heater	Iron-chrome wire heater, 800W
Refrigerator / Refrigerant	Air cooling enclose type, 300W / R-134a
Defrosting mechanism	Hot gas bypass method, System manual ON/OFF, Cycle operation
Cable hole	50mm I.D.
Operation function	Fixed temperature operation, Auto-start / Auto-stop operation, Refrigerator operation mode (continuous operation, cycle operation)
Safe Device	Earth leakage breaker, Independent overheat prevention, Delay timer for refrigerator protection, Refrigerator overload relay, Self-diagnosis function (Sensor abnormality, heater disconnection, SSR short circuit, main relay failure, auto overheat prevention)
Additional functions	Key lock function, Calibration offset function, Temperature output terminal, RS485 communication function, Alarm output terminal, Condenser filter
Internal dimensions (W×D×Hmm)	600×530×500
External dimensions(W×D×Hmm)	710×645×1,008
Internal capacity	159L
Shelf load capacity	Approx. 15 kg / piece
Shelf rest step number/pitch	12 steps / 35mm
Power source (50/60Hz)	AC115V / AC220V Single phase
Weight	Approx. 105kg
Accessories	Shelf plate/ Shelf bracket
	Stainless steel, 3 pcs./ 6 pcs.