

Low Temperature Incubator (Programmable, Peltier Cooling)

Forced convection, economy

IJ101/101W/201/300

Operating temp. range +5°C~ +60°C

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

Internal capacity 15.6L IJ101/101W 27L IJ201 43L IJ300



15.6L
IJ101



15.6L
IJ101W



27L
IJ201



43L
IJ300

- Compact model ideal for sample preservation and constant temperature testing.
- CFC free, low vibration, with cooler equipped with peltier elements.
- The temperature controller with program is used.
- Option to mount on an air jacket and stack units.
- The observation window of the IJ101W is an environmentally friendly combination of energy-saving double-glazing and semi-strengthened glass, which prevents unnecessary heat dissipation.
- Two stacks can be stacked. (Option: Using the stacking rack for IJ101/101W/300 and stacking support for IJ201)
- Enhanced safety with the addition of self-diagnostic functions, auto overheat prevention, overheat prevention device and over current circuit breaker.

Specifications

Product Code	221164	221185	221158	221159
Model	IJ101	IJ101W	IJ201	IJ300
System	Forced convection			
Operating temp. range*1	+5°C to +60°C (Conditions: ambient temp. 25°C)			
Temp. control accuracy*1	±0.3°C (at 37°C)		±0.5°C (at 37°C)	
Temp. distribution accuracy*1	±1.0°C (at 37°C)			
Time to max. temp.*1 (20~60°C)	Approx. 60min.		Approx. 50min.	Approx. 60min.
Time to the lowest temp.*1 (20~5°C)	Approx.100min.		Approx. 120min.	
Interior material	Stainless steel			
Heater	Mica Heater 120W		Pipe Heater 150W	Pipe Heater 300W
Condenser	Peltiert element, Forced radiation type			
Observation window	--	180×180mm	--	--
Cable hole	--	φ 30mm, Right side of the main body	--	--
Temp. control method	PID Control			
Temp. setting method	Dedicated operation menu key and digital setting by UP/DOWN key			
Operation function	Program (30 steps×1, 15 steps×2, 10 steps×3), Fixed temperature, Quick auto-stop, Auto-stop, Auto-start			
Additional functions	Calibration offset , Key-lock, Power failure compensation function			
Sensor	Double sensor: Platinum resistance thermometer sensor Pt 100Ω (Temp. controller), K-thermocouple(Overheat preventer)			
Safety device	Self diagnostic function (Temperature sensor error, Heater disconnection, SSR short circuit, Automatic overheat) , Overheat preventive device, Over current electric leakage breaker, Main relay abnormal			
Internal dimensions	W250×D250×H250mm		W300×D300×H300mm	W350×D350×H350mm
External dimensions*2	W350×D399×H565mm		W580×D417×H437mm	W470×D496×H665mm
Internal capacity	Approx. 15.6L		Approx. 27L	Approx. 43L
Shelf load capacity	5kg / shelf		10kg / shelf	
Shelf step	7 steps		8 steps	10 steps
Power supply (50/60Hz)	AC115V / AC220V single phase with step-down transformer			
Weight	Approx. 20kg	Approx. 22kg	Approx. 25kg	Approx. 37kg
Accessories	Shelf (Stainless punching metal) 2pcs. Shelf bracket 4pcs.. Drain tray 1pc.			

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

*1 Conditions : Ambient temperature 20°C (no load)

*2 External dimensions do not include projections.

Forced convection
circulation

Self-diagnosis

Overheat protector

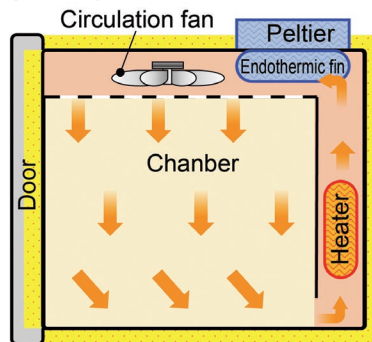
Cable hole

Overcurrent
ELB

Control Panel



[Side view]



Interior



IJ300

Optional items

No.	Description	Product Code
①	Stainless punching metal shelf (1 shelf with 2 shelf brackets) loading up to 5kg/shelf	for IJ101/101W 221180
②	Stainless punching metal shelf (1 shelf with 2 shelf brackets) loading up to 10kg/shelf	for IJ201 221186
③	Stainless punching metal shelf (1 shelf with 2 shelf brackets) loading up to 10kg/shelf	for IJ300 221187
④	*Air jacket	for IJ101/101W 221179
⑤	*Air jacket	for IJ201 221165
⑥	*Air jacket	for IJ300 221166
⑦	*Two-stage stacking rack	for IJ101/101W 281138
⑧	*Stacking support	for IJ201 221167
⑨	*Two-stage stacking rack	for IJ300 221168
⑩	*External communication terminal (RS485)	for all models 281191
⑪	*External communication adapter	for all models 281202
⑫	*External alarm terminal	for all models 281203
⑬	*Temperature output terminal (4-20mA)	for all models 281204
⑭	*Time-up output terminal	for all models 281205
⑮	*Inner door	for IJ101/101W 281206
⑯	*Inner door	for IJ201 281207
⑰	*Inner door	for IJ300 281208
⑱	*Inner door for air jacket	for IJ101/101W 281209
⑲	*Inner door for air jacket	for IJ201 281210
⑳	*Inner door for air jacket	for IJ300 281211

* Please specify when ordering main unit.



⑦ Example of two-stage stacking rack (for IJ101/101W)



④ Air jacket for the IJ101/101W

Dimensions (mm)

