

**IJ300W has been discontinued**



IJ101/201/300

CFC-Free, Low-Vibration Type, Low Temperature Incubator with Peltier Elements.

Operating temp. range		
Room temp. +5 deg.C to 60 deg.C		
Temp. distribution accuracy		
+/-1.0 deg.C (at 37 deg.C)		
Internal capacity		
15.6L(101)	27L(201)	43L(300)

- A compact model ideal for preserving samples and for constant temperature testing.
- A CFC-free, low-vibration model with a cooler equipped with Peltier Elements.
- Uses a programmable temperature controller. (IJ201/300/300W)
- Has a convenient pre-reset temperature function. (IJ101/101W)
- Can be mounted on an air jacket (as an option).
- Two units can be stacked (as an option).
- The IJ101W/300W observation window uses environmentally friendly glass made from a combination of energy-saving pair glass and half-tempered glass, which prevents wasteful heat loss.
- A sliding mounting table can be provided with the IJ300 model (as an option) for convenience when setting a micro shaker inside and when adding/removing samples. The service outlet on the side of the unit does not require any wiring. A shaker cannot be set in the IJ101W model.
- Safety has been enhanced with the addition of a self-diagnostic function, an auto overheat prevention function, an overheat prevention device and an over current circuit breaker

## ■ Specifications

Product Code		221149	221160	221158	221159	221161
Model		IJ101	IJ101W	IJ201	IJ300	IJ300W
Type		Forced convection				
Performance	Operating Temp. Range	+5deg.C to +60deg.C (at room temp. ≤25deg.C)				
	Temp. Control Accuracy	±0.3deg.C(at 37deg.C)		±0.5deg.C(at 37deg.C)		
	Temp. Distribution Accuracy	±1.0°C(at 37deg.C)				
	Time to Max. Temp (20 to 60deg.C)	Approx. 60min.		Approx. 50min.		Approx. 60min.
	Time to the Lowest Temp. (20 to 5deg.C)	Approx.100min.		Approx. 120min.		
Composition	Interior	Stainless Steel				
	Exterior	Chrome free electronic galvanized plated steel plate Chemical proof baking finish				
	Heat Insulator	Urethane Foam				
	Heater	Mica Heater 120W	Pipe Heater 150W		Pipe Heater 300W	
	Condenser	Peltiert Element, Forced Radiation Type				
Controller	Temp. Control Method	PID Control				
	Temp. Setting Method	Dedicated Operation Menu Key and Digital Setting by UP/DOWN key				
	Operation Function	Program Operation(30 steps×1, 15 steps×2, 10 steps×3), Fixed Operation, Quick Auto-stop, Auto-stop, Auto-start Operation				
	Additional Function	Calibration offset , Key-lock function, Auto recovery function at power failure				
	Sensor	Double Sensor: Platinum resistance Pt100Ω (Temp. Controller), K-thermocouple(Overheat preventer)				
Safety Function		Self diagnostic function (Temperature sensor error, heater disconnection, SSR short circuit, automatic overheat) ,Overheat preventive device(IJ201/300), Liquid pressure type Overheat preventive device, Over current electric leakage breaker, Main relay error				
Standard	Internal Dimensions	W250×D250×H250mm	W300×D300×H300mm		W350×D350×H350mm	
	External Dimensions ※2	W350×D396×H565mm	W580×D417×H437mm		W470×D496×H665mm	
	Internal Volume	Approx. 15.6L	Approx. 27L		Approx. 43L	
	Shelf Loading Capacity	15kg/shelf				
	Shelf Step	7 steps		8 steps		10 steps
	Cable Hole	-	30 mm I.D. (right side)		-	
	Power Supply	AC100V 4.0A (10A)	AC100V 4.5A(10A)		AC100V 9A (15A)	
	Weight	Approx. 20kg/22kg	Approx. 25kg		Approx. 37kg/39kg	
Accessories		Shelf(Stainless punching metal)2pcs, Shelf support 4pcs. , Receiver for Drain 1pc.				

\*1 Condition: Temperature and humidity 23 deg.C+/-5 deg.C; 65%RH +/-20%

\*2 External dimensions do not include protrusions.

## ■ IJ101W , IJ300W



## ■ Control panel

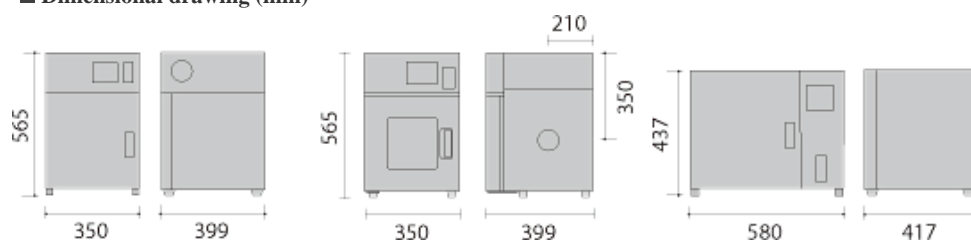


## ■ Interior tank

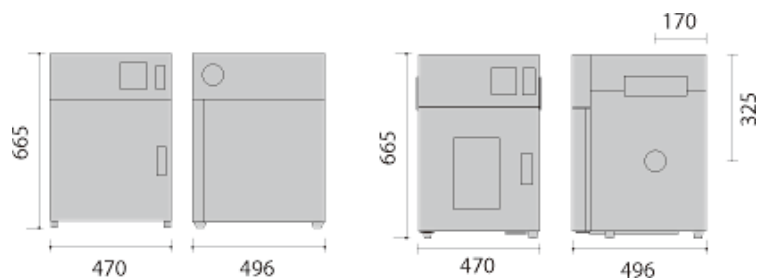


Air jacket for IJ101

## ■ Dimensional drawing (mm)



IJ101/101W/301



IJ300/300W

## ■ Optional items

Product name	Product code
1. Shelf (1pc, shelf support 2pcs included) for IJ101/101W)	221180
2. Shelf (1pc, shelf support 2pcs included) for IJ201)	221186
3. Shelf (1pc, shelf support 2pcs included) for IJ300/300W)	221187
4. Air Jacket for IJ101/101W)	221179
5. Air Jacket for IJ201)	221165
6. Air Jacket for IJ300/300W)	221166
7. Two stage rack for IJ101/101W)	281138
8. Bracket	221167
9. Two stage rack for IJ300/300W)	221168
10. Shaker table with slide rail installed	221188
11. External communication terminal (RS845)	281191
12. External communication adapter	281202
13. . External alarm terminal	281203
14. Temperature output terminal 4-20mA	281204
15. Time up output terminal	281205
16. Inner door for IJ101/101W)	281206
17. Inner door for IJ201)	281207
18. Inner door for IJ300/300W)	281208
19. Inner door of air jacket for IJ101/101W)	281209
20. Inner door of air jacket for IJ201)	281210
21. . Inner door of air jacket for IJ300/300W)	281211