

**DAIHAN-brand® Multi-Room Incubator, “WIM”, Forced Convection-type, 125 Lit. × 4 Rooms, with Certi. & Traceability with 8 × Wire Shelves, Digital Fuzzy Control, Independent Chamber Control, Max. Temp. Uniformity & Accuracy, up to 70°C**



**Multi-Room Incubator, Forced Convection Type “WIM-R4”**

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- 4 × 125Lit Rooms : Each Chamber has an Independent Fuzzy Controller for Different Temperature and Time Control
- Patented Jog-Shuttle Control System
- UL/CUL Certified                      ■ CE Certified
- PL(Product Liability) Insurance

- \* Variable Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temperature and Germination
- \* Digital Fuzzy Control System Implementing Superior Temperature Accuracy.
- \* High-Quality LCD with Back-Light Function
- \* Forced Convection Air Flow by Silent Fan Motor Implements the Highest Uniformity of Temperature in Each Chamber
- \* Stainless steel Chamber and Teflon-Coated Shelves (2ea for Each Chamber) - Corrosion Resistance
- \* Inner Tempered Glass Door Enables an User to Observe the Samples without Interruption of Incubation
- \* Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.
- \* Storage Function for Set Values of Temperature and Time
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

**Specification**

Model		Ambient +5°C ~ 70°C “WIM-4”	0°C to 70°C “WIM-R4”	0°C to 70°C with illumination “WIM-RL4”
Circulation		Forced Convection-Blower FAN		
Capacity		125 Lit. × 4 Rooms		
Illumination		None		FRL 55W × 2 (× 4 Rooms)
Temp.	Range	Ambient +5°C ~ 70°C	0°C to 60°C	
	Accuracy	± 0.2°C at 37°C		
	Uniformity	± 0.3°C at 37°C, ± 0.7°C at 50°C	± 0.5°C at 37°C	
	Sensor	PT100		
Heat-up Time		15 min. to 37°C 30 min. to 50°C	20 min. to 37°C 30 min. to 50°C	
Recovery Time (Door open 30sec)		8 min. to 37°C 10 min. to 50°C	10 min. to 50°C 12 min. to 50°C	
Heating Power/Consumption		500 W × 4ea	650 W × 4ea	
Compressor		None	1/4 HP (× 4 Rooms)	
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		Digital LCD with Back-Light Function		
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)		
Inner Door		with 4ea of Inner Tempered Glass Door		
Shelves		Included 8ea of Teflon Coated steel Shelves (2ea × 4 Chambers)		
Permitted Total Load		Total Load 128 kg (16kg × 8 Shelves)		
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector		
Material		Internal : Stainless steel (# 304), External : Powder Coated steel		
Dimension (w × d × h)	Interior (mm)	500 × 500 × h500 mm (× 4 Rooms)		
	Exterior (mm)	1,655 × 845 × h1,710 mm		
Net Weight		343kg	350kg	
Packing Size (w × d × h) (mm)		1,900 × 1,050 × 1,950		
Gross Weight		441 kg	450 kg	
Power Consumption		2.6 kW	4.5 kW	4.8 kW
Power Supply*		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz	1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase 380V, 50/60Hz	

\* Other Specifications are available upon Customer's Request.

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**Ordering Information**

**"WIM-4" with 125 Lit. × 4 Rooms, Ambient +5°C~70°C**

- DH.WIM04125 Multi-Room Incubator, 1Phase, 230V, "WIM-4"
- DH.WIM05125 , 120V, "WIM-4"

**"WIM-R4" with 125 Lit. × 4 Rooms, 0~60°C**

- DH.WIM14125 Multi-Room Incubator, 1Phase, 230V, "WIM-R4"
- DH.WIM15125 120V, "WIM-R4"
- DH.WIM16125 , 3Phase, 380V, "WIM-R4"

**"WIM-RL4" with 125 Lit. × 4 Rooms & Illumination, 0~60°C**

- DH.WIM24125 Multi-Room Incubator, 1Phase, 230V, "WIM-RL4"
- DH.WIM25125 120V, "WIM-RL4"
- DH.WIM26125 , 3Phase, 380V, "WIM-RL4"

**Spare Wire Shelves**

- DH.WIM34125 Wire Shelf, Teflon Coated steel, with 2 Brackets, "IMS125"  
w470×d480mm, for "WIM" 4-Room Incubators

**Optional Wire Shelves**

- DH.WIM34126 (1) Wire Shelf, Stainless steel, with 2 Brackets, "IMS126",  
w470×d480mm, for "WIM" 4-Room Incubators

**Validation (IQ, OQ) Service**

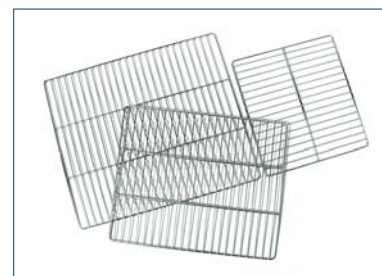
- DH.WIM54125 Validation Service(IQ, OQ), "IMV525", for "WIM-4"
- DH.WIM64125 , "IMV625", for "WIM-R4"
- DH.WIM74125 , "IMV725", for "WIM-RL4"



**Multi-Room Incubator, Forced Convection Type "WIM-R4"**



**Wire Shelves, Teflon Coated steel (Included)**



**(1) Wire Shelves, Stainless steel (Optional)**

**WiseRemote® Remote Control Software**

Connection of **Wisd** Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



**Main Screen**



**RS232C Cable & Software**