

**DAIHAN ThermoStable™ IR Low Temperature(B.O.D) Incubators, 150-/250-/420-/700- Lit. NEW**  
 with 3 × Wire Shelves, Digital Fuzzy Control, CFC-free Refrigeration(R-404A) System, Forced Convection, 0~60℃, ±0.2℃



**New Low Temperature(B.O.D) Incubator**  
 "ThermoStable IR-150"

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Intelligent Control of Refrigerator for Preventing Overload of Compressor
- CFC-free (R-404A) Refrigeration System
- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- **Patented Jog-Dial Control System**
- **UL/CUL Certified**      ■ **CE Certified**
- **PL(Product Liability) Insurance**

- \* Variable Application : Animal & Plant Cell Culture, Constant Temperature, Germination Test, BOD Test, and so on
- \* RS232C Interface for Monitoring and Controlling with PC
- \* Superior Temperature Uniformity by Forced Convection
- \* Stainless steel Chamber and Teflon-Coated Shelves - Corrosion Resistance
- \* Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.
- \* Storage Function : Alarm & Timer      \* Back-Light LCD
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)
- \* CFC-free (R-404A) Refrigeration System.
- \* Compact New Body Design

**Specification**

Models	ThermoStable IR-150	ThermoStable IR-250	ThermoStable IR-420	ThermoStable IR-700	
Capacity	150 Lit.	250 Lit.	420 Lit.	700 Lit.	
Air Flow-type	Forced Convection-type				
Temp. Range & Accuracy	0℃ ~ 60℃, ± 0.2℃ at 37℃				
Temp. Uniformity & Sensor	±0.5℃ at 37℃, ±1.4℃ at 50℃, PT100 Sensor				
Heat-up Time	20 min. to 37℃ 20 min. to 50℃		35 min. to 37℃ 35 min. to 50℃		
Recovery Time (Door open 30sec)	10 min. to 37℃ 12 min. to 50℃		12 min. to 37℃ 15 min. to 50℃		
Heating Power/Consumption	700 W	1 kW	1.2 kW	2 kW	
Compressor	1/4 HP	1/3HP	1/2 HP	1/2HP	
Compressor Control	Intelligent Control of Refrigerator for preventing Overload of Compressor				
Refrigerant	CFC-Free(R-404A) Refrigeration System				
Timer & Alarm	99hr 59min (with delay / Continuous run.), Error status & Timer-end				
Display	Digital LCD with Back Light				
Controller	Digital Fuzzy Controller with Jog-Shuttle Switch (Turn & Push)				
Inner Door	with 1ea of Inner Tempered Glass Door				
Shelves	Included 3ea of Teflon-coated steel Shelves				
Permitted Total Load	Total Load : 48 kg (16kg × 3 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)	505 × 505 × 610	505 × 505 × 1,000	705 × 605 × 1,000	800 × 700 × 1,250
	Exterior (mm)	640 × 832 × 1,313	640 × 832 × 1,703	840 × 932 × 1,753	935 × 1,027 × 2,000
Net Weight	118 kg	157 kg	202 kg	234 kg	
Packing Size (w × d × h) (mm) & Gross Weight		900 × 1,000 × 1,650	900 × 1,000 × 2,040	1,100 × 1,100 × 2,140	1,220 × 1,220 × 2,260
		191 kg	217 kg	277 kg	313 kg
Power Consumption	1.6 kW	1.8 kW	2.3 kW	2.4 kW	
Power Supply & Cord/Plug*	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz				

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

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Cat. No	Description	Articles
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**Ordering Information**

DH.WIR03150	Low Temperature(B.O.D) Incubator, <b>230V</b> , 150 Lit., "ThermoStable IR-150"
DH.WIR03250	, 250 Lit., "ThermoStable IR-250"
DH.WIR03420	, 420 Lit., "ThermoStable IR-420"
DH.WIR03700	, 700 Lit., "ThermoStable IR-700"
DH.WIR04150	Low Temperature(B.O.D) Incubator, <b>120V</b> , 150 Lit., "ThermoStable IR-150"
DH.WIR04250	, 250 Lit., "ThermoStable IR-250"
DH.WIR04420	, 420 Lit., "ThermoStable IR-420"
DH.WIR04700	, 700 Lit., "ThermoStable IR-700"

*Spare Wire Shelves, Teflon Coated steel*

DH.WIR11150	Wire Shelf, Teflon Coated steel, "IRS150", w470×d480mm, for "IR-150", "IR-250"
DH.WIR11420	Wire Shelf, Teflon Coated steel, "IRS420", w675×d585mm, for "IR-420"
DH.WIR11700	, "IRS700", w770×d680mm, for "IR-700"


*Optional Wire Shelves, Stainless steel*

DH.WIR21150	(1) Wire Shelf, Stainless steel, "IRU150", w470×d480mm, for "IR-150", "IR-250"
DH.WIR21420	(1) Wire Shelf, Stainless steel, "IRU420", w675×d585mm, for "IR-420"
DH.WIR21700	, "IRU700", w770×d680mm, for "IR-700"


*Validation (IQ, OQ) Service*

DH.WIR31150	Validation Service(IQ, OQ), "IRV150", for "ThermoStable IR-150"
DH.WIR31250	, "IRV250", for "ThermoStable IR-250"
DH.WIR31420	, "IRV420", for "ThermoStable IR-420"
DH.WIR31700	, "IRV700", for "ThermoStable IR-700"

**WiseRemote® Remote Control Software**  
 Connection of **Wisd 2z** Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



Main Screen



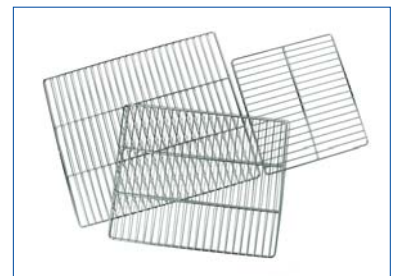
RS232C Cable & Software



**New Low Temperature(B.O.D) Incubator "ThermoStable IR-150"**



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



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