

DAIHAN[®] SMART Low Temperature(B.O.D) Incubator "ThermoStable™ SIR", 150 · 250 · 420 · 700 Lit
 With Smart-Lab™ Controller, 4" Full Touch Screen, Fuzzy-PID Control, CFC-free(R-404A), 0~60℃, ±0.2℃, with Certi. & Traceability
 스마트 저온(B.O.D) 배양기/인큐베이터, 강제 순환식, 우수한 온도정확성, 친환경 냉매 채용, WiRe™서비스, 4인치 풀터치스크린 조절기



SMART Low Temperature(B.O.D) Incubator
 "ThermoStable™ SIR-150"

- UL, CUL, and CE Certified
 - PL(Product Liability) Insurance
 - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
 - Air Flow ; Forced Air-type
 - CFC-free (R-404A) Refrigeration System
 - Digital Fuzzy Control System Implementing Superior Temperature Accuracy
 - Smart-Lab™ Controller : Remote Controlled by Smart-Phone with WiRe™ App Service
 - Ergonomic 4" Full Touch Screen TFT LCD
 - Internet Connectivity with WiFi
 - RS232 Interface for Remote Monitoring and Controlling with PC
 - Automatic Data Recording
 - Built in USB port for Data Download and Program Upgrade
 - Self-Diagnostic Function
 - Variable Program Setting for Multiple Patterns with Multiple Segments
- * Variable Application : Animal/Plant Cell Culture, Constant Temp. Germination Test, BOD Test, etc.
 * Stainless-steel Chamber and PE-coated Shelves * Compact New Body Design
 * Intelligent Control of Refrigerator for Preventing Overload of Compressor
 * Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.

Specifications & Ordering information ※ 운임 약 ₩ 50,000 별도!

Spec.	Model	ThermoStable™ SIR-150 Max. Capa. 150L	ThermoStable™ SIR-250 Max. Capa. 250L	ThermoStable™ SIR-420 Max. Capa. 420L	ThermoStable™ SIR-700 Max. Capa. 700L
Capacity		150 Lit	250 Lit	420 Lit	700 Lit
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		1/4HP	1/3HP	1/2HP	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 & Controller		4" Full Touch Screen TFT LCD, Smart-Lab™ Controller			
Inner Door		with 1ea of Inner Tempered Glass Door			
Shelf		Included 3ea of PE-coated steel Shelf			
Permitted		Total Load Total Load : 48 kg (16kg × 3 Shelf)			
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 / Gross Weight		118 kg / 191 kg	157 kg / 217 kg	202 kg / 277 kg	234 kg / 313 kg
Packing Size (w × d × h) (mm)		900 × 1,000 × 1,650	900 × 1,000 × 2,040	1,100 × 1,100 × 2,140	1,220 × 1,220 × 2,260
Power Consumption		1.6 kW	1.8 kW	2.3 kW	2.4 kW
Electric Reqts.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz			
Cat. No.	230V	DH.SWIR03150	DH.SWIR03250	DH.SWIR03420	DH.SWIR03700
	120V	DH.SWIR04150	DH.SWIR04250	DH.SWIR04420	DH.SWIR04700

» DAIHAN WiRe™ App Service

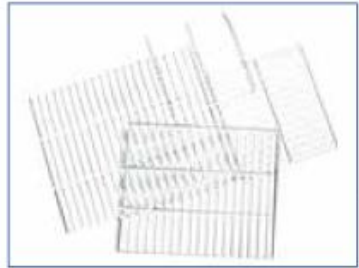


It is possible to monitor and control the Smart-Lab™ equipment through all smart phone, tablet without restraint of time and place.

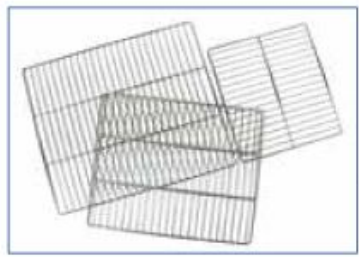


4" Full Touch Screen TFT LCD (Smart-Lab™ Controller)

Controlled by Smart-Phone



(1) Wire Shelf
 PE Coated steel
 (Included)



(2) Wire Shelf
 Stainless-steel
 (Optional)

* Other Specifications are available upon Customer's Request.

Validation (IQ, OQ) Service Low Temp(B.O.D) Incubator

- DH.SWIR31150 Validation Service(IQ, OQ), with "ThermoStable SIR-150", "SIRV150"
- DH.SWIR31250 , with "ThermoStable SIR-250", "SIRV250"
- DH.SWIR31420 , with "ThermoStable SIR-420", "SIRV420"
- DH.SWIR31700 , with "ThermoStable SIR-700", "SIRV700"

(1) Spare PE-coated Steel Wire Shelf

- DH.WIR11150 (1) Wire Shelf, "IRS150", 470 × 480mm, for "SIR-150", "SIR-250"
- DH.WIR11420 , "IRS420", 675 × 585mm, for "SIR-420"
- DH.WIR11700 , "IRS700", 770 × 680mm, for "SIR-700"

(2) Optional Stainless-steel Wire Shelf

- DH.WIR21150 (2) Wire Shelf, "IRU150", 470 × 480mm, for "SIR-150", "SIR-250"
- DH.WIR21420 , "IRU420", 675 × 585mm, for "SIR-420"
- DH.WIR21700 , "IRU700", 770 × 680mm, for "SIR-700"