

DAIHAN® Multi-Stack Refrigerated Shaking Incubator "WIS-ML", Orbital Motion, with 2 & 4 Universal Platform With Digital Fuzzy Control, 2 or 4 Independent Shaking Speed Control, 10~60℃, 30~250 rpm, 2 & 4 Stack 대형 멀티 진탕 배양기, 고정밀 디지털 퍼지 제어, 2 & 4 Universal Platform 포함



B. Multi-Stack Refrigerated Shaking Incubator with 4 Universal Platform "WIS-ML04"

- CE Certified ■ PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Excellent for Multi-use and wide range of Sample Testing under various Temperature
- Patented Jog-Shuttle Control System

- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Intelligent Control of Refrigerator for Preventing Overload of Compressor
- * Advanced Shaking Mechanism provides Quiet Shaking and Precise Speed Control
- * Space Saving Design for Large Quantity Samples with 2 or 4 Independent Shaking Speed Controller
- * Automatic Stop of Shaking, Heating and Refrigeration when the Door is Opened
- * RS232C Interface for Monitoring and Controlling with PC
- * Including Universal Platform
- * Over Temperature & Over Current Protection and Sensor Error Detection
- * Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)

Specifications & Ordering information

Spec.	Model	A. "WIS-ML02" 2 Shaking Platform	B. "WIS-ML04" 4 Shaking Platform
Shaking Stacks		2 Stack	4 Stack
Temp. Range & Accuracy		10℃ ~ 60℃, ±0.2℃ at 37℃	
Temp. Uniformity & Sensor		±1.0℃ at 37℃, PT100 Sensor	
Heater		1.5 kW	1.8 kW
Compressor		1/2HP	3/4HP
Compressor Control		Intelligent Control of Refrigerator for Preventing Overload of Compressor	
Refrigerant		CFC-Free(404A) Refrigeration System	
Shaking Speed & Stroke		30 ~ 250 rpm, 25mm Orbital Motion	
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD with Back-Light Function	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Door		Magnetic Packing Door with Pair Glass	
Plate Size		w700 × d600mm	
Platform(Included) & Capacity for Optional Flask Holders		Universal Platform for Various Shapes & Sizes of Flasks Capacity : 68 ea Flask Holder, for 50~100ml Flask 36 ea Flask Holder, for 200~300ml Flask 21 ea Flask Holder, for 500~1,000ml Flask	
Safety Circuit		Over Temp./ Current Protector, Sensor Error Detector	
Material		Internal : Stainless-steel (# 304), External : Powder Coated steel	
Dimension (w×d×h)	Internal (mm)	700 × 700 × 1,100	700 × 700 × 1,790
	External (mm)	1,290 × 850 × 1,445	1,290 × 850 × 2,125
Packing Size (w×d×h) (mm)		1,500 × 1,200 × 1,750	1,500 × 1,200 × 2,350
& Gross Weight		397 kg	555 kg
Power Consumption		2.4 kW	3.2 kW
Electrical Reqt.s.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz	1 Phase AC 120V, 60Hz or AC 230V, 50/60Hz or 3 Phase
Cat. No.	230V	DH.WIS05002	DH.WIS05004
	120V	DH.WIS05102	DH.WIS05104
	3Phase	-	DH.WIS03004

* Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 95,000별도!

C. Validation (IQ, OQ) Service Shaking Incubator

DH.WIS35002 Validation Service(IQ, OQ), with "WIS-ML02"
DH.WIS35004 , with "WIS-ML04"

Optional Spring Rack Platform and Stainless-steel Flask Holder(with Spring Ring)

- DH.WIS504620 (1) Universal Platform, w645 × h645mm, "SP620", for "WIS-ML02/04", Included
- DH.WIS504520 (2) Universal Spring Rack, w653 × d653 × h135mm, "SR520", for "WIS-ML02/04"
- DH.WIS600100 (3) STS Wire Spring Flask Holder, for 100ml Flask, "FHS100"
- DH.WIS600250 (4) , for 250ml Flask, "FHS250"
- DH.WIS600500 (5) , for 500ml Flask, "FHS500"
- DH.WIS601000 (6) , for 1000ml Flask, "FHS1000"

