DAIHAN® Precise Shaking Incubator "ThermoStable™ IS-20", BenchTop-type, up to 60°C & 1000ml With Universal Platform, Fuzzy Control, R\$232C Interface for PC, Orbital Motion, 30~250 rpm, 101 Lit 진탕 배양기/인큐베이터, 벤치 탑 타입, 고정밀 디지털 퍼지 제어, Universal Platform 포함

in B. 10 °C~60 °C/250rpm Œ Digital Fuzzy Control Back light

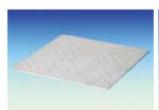


A. "IS-20" R/T ±5℃~ 60℃ B. "IS-20R" 10 C~ 60 C Refrigerated



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

WiseRemote Control Software: Download from DAIHAN-Sci.com



(1) Universal Platform "SP600" (Included)



(2) Universal Spring Rack Platform "SR500" (Optional)

- CE Certified ■ PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number. Certificate, Delivery-information, and Traceable Data Base System
- Useful for Biological Cultures under various Temperature
- Patented Jog-Shuttle Control System ■ Stabilized Orbital Motion
- * Precise Temperature Control by Digital Fuzzy Controller, up to 60 °C, PT100 Sensor
- Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control
- * Automatic Stop of Shaking, Heating and Refrigeration when a Door opens
- Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking
- * Accommodate Flasks up to 1,000ml * Minimum Noise and No Vibration
- * RS232C Interface for Monitoring and Controlling with PC
- * Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)

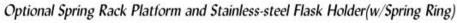
Specifications & Ordering information

Spec. Model			A. "ThermoStable™ IS-20"	B. "ThermoStable™ IS-20R" with Refrigerator
Temp. Range			Room Temp. +5℃ ~60℃	10℃~60℃
Temp. Accuracy & Uniformity			Accuracy: ±0.2℃ at 37℃, Uniformity: ±0.5℃ at 37℃	
Capacity			101Lit	
Temp. Sensor			PT100 Sensor	
Heater			500 W	700 W
Compressor			None	1/4 HP
Compressor Control			None	Intelligent Control of Refrigerator for preventing Overload of Compressor
Refrigerant			None	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)		
Room Lamp		60W Krypton Lamp		
Platform(Included) & Capacity for Optional Flask Holders		Universal Platform for Various Shapes & Sizes of Flasks Capacity: 32 ea Flask Holders for 50~100 ml Flask 20 ea Flask Holders for 200~300 ml Flask 16 ea Flask Holders for 500~1,000 ml Flask		
Safety Circuit			Over Temp./ Current Protector, Leakage Breaker, Sensor Error Detector	
Material		Internal: Stainless-steel (#304), External: Powder Coated steel		
Dimension		Internal: 530×530×h350mm, External: 575×855×h850mm		
Packing Size (w×d×h) (mm)		1,000×800×h1,100mm		
& Gross Weight			147 kg	150 kg
Power Consumption			500 W	1.2 kW
Electrical Reqts.			1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	
Cat. No.	60Hz	230V	DH.WIS00220	DH.WIS01220
		120V	DH.WIS00120	DH.WIS01120
	50Hz	230V	DH.WIS00520	DH.WIS01520
		120V	DH.WIS00420	DH.WIS01420

^{*} Other Specifications are available upon Customer's Request.

C. Validation (IQ, OQ) Service Shaking Incubator

DH.WIS32010 Validation Service(IQ, OQ), with "IS-20", 60Hz, "ISV2010" DH.WIS32011 . with "IS-20R", 60Hz, "ISV2011"





STS Flask Holder w/Spring Ring (Optional)

- (1) Spare Universal Platform, 478×478mm, "SP600", for "IS-20(R)", Included DH.WIS504600 (2) Spare Universal Spring Rack, 483 × 483 × h135mm, "SR500", for "IS-20(R)" DH.WIS504500
- (3) STS Wire Spring Flask Holder, for 100ml Flask, "FHS100", for "SHO", "SHR" and "IS" DH.WIS600100
- DH.WIS600250 (4) , for 250ml Flask, "FHS250", for "SHO", "SHR" and "IS" DH.WIS600500 (5), for 500ml Flask, "FHS500", for "SHO", "SHR" and "IS"
- DH.WIS601000 (6), for 1000ml Flask, "FHS1000", for "SHO", "SHR" and "IS"