

DAIHAN ThermoStable™ IS-20 Precise Shaking Incubators, BenchTop-type, up to 60°C, ±0.2°C with Universal Platform, Fuzzy Control, , Orbital Motion, Advanced Shaking Mechanism, Precise Speed Control, 30~250 rpm



Precise Shaking Incubator, Bench Top-type
"ThermoStable IS-20"

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Useful for Biological Cultures under various Temperature
- Patented Jog-Dial Control System
- CE Certified ■ PL(Product Liability) Insurance

- * Useful for Biological Cultures under various Temperature
- * Precise Temperature Control by Digital Fuzzy Controller, up to 60°C
- * Digital Timer Function : 99 hours 59 minutes
- * Minimum Noise and No Vibration
- * Digital LCD with Back - Light Function
- * 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
- * Stabilized Orbital Motion
- * RS232C Interface for Monitoring and Controlling with PC
- * Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)

Specification

Model	ThermoStable IS-20	ThermoStable IS-20R
Temp. Range	Ambient +5°C ~ 60°C	10°C ~ 60°C
Temp. Accuracy & Uniformity	Accuracy : ±0.2°C at 37°C, Uniformity : ±0.5°C at 37°C	
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(R-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-Dial Switch (Turn+Push)	
Room Lamp	60W Krypton Lamp	
Platform	Included Universal Platform for Various Shapes & Sizes of Flasks	
Optional Flask Holder	Durable & Flexible Plastic Flask Holder (up to 1000ml)	
Available Max. Capacity of Flask Holder	for 50~100ml Available 32 ea Flask Holder "FH100", for 50~100ml Flask for 200~300ml Available 20 ea Flask Holder "FH250", for 200~300ml Flask for 500~1,000ml Available 16 ea Flask Holder "FH500", for 500~1,000ml 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) & Gross Weight	1,000 × 800 × h1,100mm	
	147 kg	150 kg
Power Consumption	500 W	1.2 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.

Ordering Information

Ambient +5°C ~ +60°C, with Universal Platform

DH.WIS00220 Shaking Incubator, Bench Top, 230V, "ThermoStable IS-20"
DH.WIS00120 , 120V, "ThermoStable IS-20"

+10°C ~ +60°C, with Universal Platform

DH.WIS01220 Shaking Incubator, Bench Top, 230V, "ThermoStable IS-20R"
DH.WIS01120 , 120V, "ThermoStable IS-20R"

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Optional Platform/Spring Rack/Flask Holders

- DH.WIS504600 (1) Universal Platform, w478×h478mm, "SP600", for "IS-20(R)"
- DH.WIS504500 (2) Universal Spring Rack w483×d483×h135mm, "SR500", for "IS-20(R)"
- DH.WIS504030 (3) Flask Holder, for 50~100ml Flask, "FH100", for "SHO", "SHR" and "IS"
- DH.WIS504035 (4) Flask Holder, for 200~300ml Flask, "FH250", for "SHO", "SHR" and "IS"
- DH.WIS504040 (5) Flask Holder, for 500~1000ml Flask, "FH500", for "SHO", "SHR" and "IS"

Validation (IQ, OQ) Service

- DH.WIS32010 Validation Service(IQ, OQ), "ISV2010", for "ThermoStable IS-20"
- DH.WIS32011 "ISV2011", for "ThermoStable IS-20R"



2-Year Warranty



Precise Shaking Incubator, Bench Top-type "ThermoStable IS-20"

WiseRemote® Remote Control Software

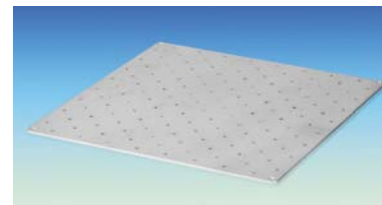
Connection of **Wisd** Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



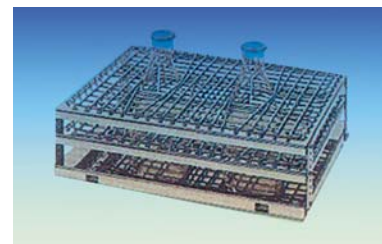
Main Screen



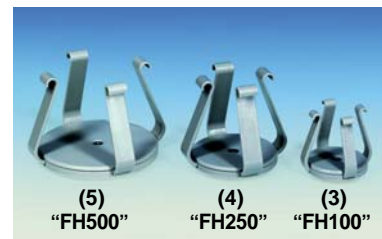
RS232C Cable & Software



(1) Universal Platform "SP600" (Included)



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



(5) "FH500" (4) "FH250" (3) "FH100"

Flask Holders (Optional)