

DAIHAN ThermoStable™ IS-10 Precise Shaking Incubators, Top Door-type, Orbital Motion with Universal Platform, Fuzzy Control, with or without illuminators & Recorder, up to 60°C, ±0.2°C, 30~250 rpm



Precise Shaking Incubator, Top Door Type
"ThermoStable IS-10R"

- 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

- * Precise Temperature Control by Digital Fuzzy Controller, up to 60°C
- * Digital LCD with Back-Light Function
- * Minimum Noise and No Vibration
- * Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control
- * Automatic Stop of Shaking, Heating and Refrigeration when a Door opens
- * Universal Spring Rack for Various Shapes/Sizes of Flasks (Optional)
- * RS232C Interface for Monitoring and Controlling with PC

Specification

Model	ThermoStable IS-10	ThermoStable IS-10R	ThermoStable IS-10RL
Illumination System	None		FPL 55W × 4ea
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	800 W	1 kW	1.2 kW
Compressor	None	1/3 HP	
Compressor Control	None	Intelligent Control of Refrigerator for preventing Overload of Compressor	
Refrigerant	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	Krypton Lamp, 60W	None	
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 68 ea Flask Holder "FH100", for 50~100ml Flask	
	for 200~300ml	Available 36 ea Flask Holder "FH250", for 200~300ml Flask	
	for 500~1,000ml	Available 21 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 : 750 × 720 × h400mm, External : 1,065 × 900 × h980mm		
Packing Size (w × d × h) (mm) & Gross Weight	1,220 × 1,060 × h1,200mm		
	231 kg	238 kg	238 kg
Power Consumption	800 W	1.8 kW	2.1 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.WIS00210 Shaking Incubator, Top Door, 230V, "ThermoStable IS-10"
DH.WIS00110 , 120V, "ThermoStable IS-10"

10°C ~ 60°C , With Universal Platform

DH.WIS04210 Shaking Incubator, Top Door, 230V, "ThermoStable IS-10R"
DH.WIS04110 , 120V, "ThermoStable IS-10R"

10°C ~ 60°C , with Universal Platform & Illumination System

DH.WIS05210 Shaking Incubator, Top Door, 230V, "ThermoStable IS-10RL"
DH.WIS05110 , 120V, "ThermoStable IS-10RL"

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Optional Platform/Spring Rack/Flask Holders

- DH.WIS504510 (1) Universal Spring Rack, w693 × d653 × h135mm, "SR510", for "IS-10(R/RL)"
- DH.WIS504610 (2) Universal Platform, w688 × h648mm, "SP610", for "IS-10(R/RL)"
- 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"
- DH.WTH05100 (6) Temperature Recorder, with 6ea Ribbon Cassette & Chart Paper LED, 6ch/10sec, 144 × 144 × h233mm, "WTH5105"
- DH.WTH05108 Ribbon Cassette, 6 Colors, "WTH5108"
- DH.WTH05105 Chart Paper, w100mm × L10m, 33 Days, "WTH5105"

Validation (IQ, OQ) Service

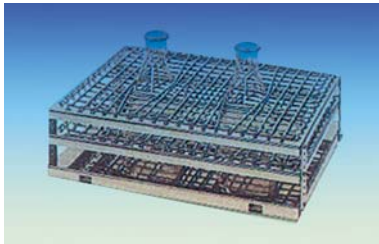
- DH.WIS31010 Validation Service(IQ, OQ), "ISV1010", for "ThermoStable IS-10"
- DH.WIS31011 "ISV1011", for "ThermoStable IS-10R"
- DH.WIS31012 "ISV1012", for "ThermoStable IS-10RL"



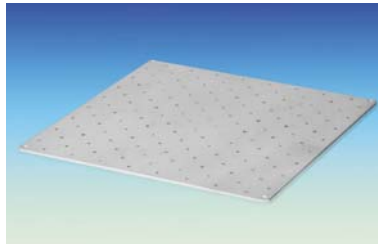
2-Year Warranty



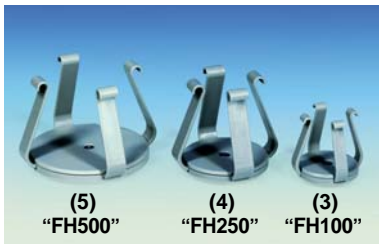
Precise Shaking Incubator, Top Door Type "ThermoStable IS-10R"



(1) Universal Spring Rack "SR510" (Optional)



(2) Universal Platform "SP610" (Included)



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

Flask Holders (Optional)



(6) Temperature Recorder : with 6ea Ribbon Cassette and Chart Paper

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