Articles	Cat. No	Description

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℃, ±0.2℃, 30~250 rpm

CE **2-Year Warranty**

Top Door System

Jog-Dial
with Push Button

Wisd

*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℃
＊ 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℃ ~ 60℃	10℃ ~ 60℃	
Temp. Accuracy & Uniformity		Accuracy : ±0.2℃ at 37℃, Uniformity : ±0.5℃ at 37℃		
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℃~60℃, With Universal Platform
DH.WIS00210 Shaking Incubator, Top Door, **230V,** "ThermoStable IS-10"
DH.WIS00110   , **120V,** "ThermoStable IS-10"

10℃~60℃, With Universal Platform
DH.WIS04210 Shaking Incubator, Top Door, **230V,** "ThermoStable IS-10R"
DH.WIS04110   , **120V,** "ThermoStable IS-10R"

10℃~60℃, 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"**

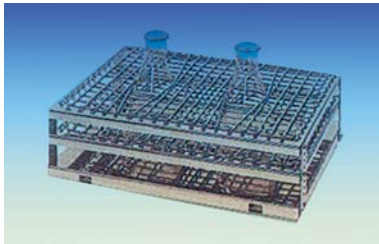DH.WTH05105   Chart Paper, w100mm×L10m, 33 Days, **"WTH5105"**

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"**
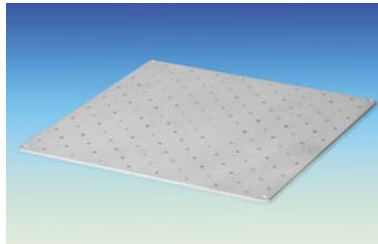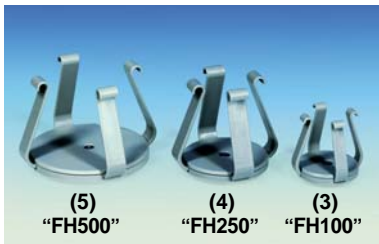

CE

2-Year Warranty   Wisd.🄑

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

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

(2) Universal Platform "SP610"
(Included)

| (5) | (4) | (3) |
| "FH500" | "FH250" | "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**