

“witeg” WiseCube® WIS-30 Precise Shaking Incubator, Front Door Type, Orbital Motion
 Digital Fuzzy Control, Advanced Shaking Mechanism, Quiet Shaking, Precise Speed Control, up to 60 °C, 30~250 rpm



Precise Shaking Incubator, Front Door Type (WIS-30)

- Useful for Biological Cultures under various Temperature
- Patented Jog-Shuttle Control System
- CE Certified

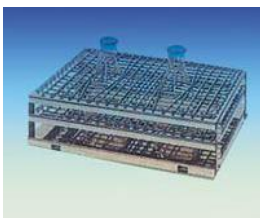
Application & Features

- * 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.
- * Front Door and Sliding Platform Provides Easy Loading and Handling of Samples.
- * Digital LCD Display with Back-Light Function.
- * Stabilized Orbital Motion.
- * RS232C Interface for Monitoring and Controlling with PC.
- * Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control .
- * Minimum Noise and No Vibration.
- * Accommodate Flasks up to 1,000 ml
- * Universal Spring Rack for Various Shapes/Size of Flasks. (Optional)
- * Automatic Stop of Shaking, Heating and Refrigeration when the Door is Opened.
- * Over Temperature & Over Current Protection and Leakage Breaking.
- * Patented Jog-Shuttle Control System.
- * CE Certified.

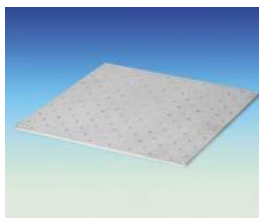
Specification

Model		WIS-30	WIS-30R
Dimension (w × d × h)	Internal (mm)	570 × 465 × 470	
	External (mm)	916 × 730 × 683	
System		None	
Heater		600 W	800 W
Refrigerator		None	184 W
Temp.	Range	Ambient +5 °C ~ 60 °C	10 °C ~ 60 °C
	Accuracy	±0.1 °C at 25 °C	
	Uniformity	±0.5 °C at 25 °C	
Shaking	Speed	30 ~ 250 rpm	
	Stroke	25 mm Orbital Motion	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Display		Digital LCD Display with Back-Light Function	
Timer		99 hr 59 min (Continuous Function Included)	
Compressor Control		None	Intelligent Control of Refrigerator for preventing Overload of Compressor
Refrigerant		None	CFC-Free(134A) Refrigeration System
Material	Inner	Stainless Steel (# 304)	
	Outer	Powder Coated Steel	
Platform		Universal Platform for Various Shapes & Sizes of Flasks	
Flask Holder		Durable & Flexible Plastic Flask Holder (up to 1,000 ml)	
Maximum Capacity of	FH100	36 ea	
Flask Holder	FH250	20 ea	
	FH500	16 ea	
Safety Device		Over Temp Protector, Over Current & Leakage Breaker	
Others		CE Certified, Storage Function (Temp., Timer), Locking Mode (Jog-Shuttle Input Disabled) Alarm (for Error Status and Timer-end) Automatic Stop when Door is Opened	
Packing Dimension(w×d×h)(mm)		1.050 × 900 × 900	
Gross Weight		146 kg	156 kg
Power Consumption		600 W	1.3 kW
Power plug type		Hybrid E+F	
Power Supply*		AC 230 V, 50 / 60 Hz	

* Other Specifications are available upon Customer's Request.



Universal Spring Rack (SR530)



Universal Platform (SP630)



Flask Holders (FH500, FH250, FH100)

WiseRemote® Remote Control Software
 - standard delivery

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



Main Screen



RS232C Cable & Software

Ordering Information

General Purpose-type, Ambient +5 °C ~ 60 °C

DH.WIS03010 Shaking Incubator, WIS-30, Ambient +5 °C~60 °C, with SP630 Universal Platform

Refrigerated-type, 10 °C ~ 60 °C

DH.WIS03011 Shaking Incubator, WIS-30R, 10 °C~60 °C, with SP630 Universal Platform

Optional Accessories

DH.WIS504530 Universal Spring Rack for WIS-30(R), SR530, w 498 × d 408 × h 135 mm

DH.WIS504630 Universal Platform for WIS-30(R), SP630, w 485 × h 405 mm

DH.WIS504030 Flask Holder, FH100, 50~100 ml, for SHO, SHR and WIS

DH.WIS504035 , FH250, 200~300 ml, for SHO, SHR and WIS

DH.WIS504040 , FH500, 500~1,000 ml, for SHO, SHR and WIS

Validation (IQ, OQ & PQ) Service

DH.WIS33010 Validation Service(IQ, OQ & PQ), ISV3010, for WIS-30

DH.WIS33011 , ISV3011, for WIS-30R

DH.WIS43010 Calibration Certificate Service, 1 & 3 points, ISC03010, for WIS-30

DH.WIS43011 , 1 & 3 points, ISC03011, for WIS-30R

DH.WIS53010 Calibration Certificate Service, 9 points, ISC13010, for WIS-30

DH.WIS53011 , 9 points, ISC13011, for WIS-30R

“witeg” WiseCube® WIS-20 Precise Shaking Incubator, BenchTop Type, Orbital Motion
Digital Fuzzy Control, Advanced Shaking Mechanism, Quiet Shaking, Precise Speed Control, up to 60 °C, 30~250 rpm

- Useful for Biological Cultures under various Temperature
- Patented Jog-Shuttle Control System
- CE Certified

Application & Features

- * 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 Display with Back-Light Function.
- * Advanced Shaking Mechanism Provides Quiet Shaking and Precise Speed Control.
- * Automatic Stop of Shaking, Heating and Refrigeration when the Door is Opened.
- * Over Temperature & Over Current Protection, Sensor Error Detection and Leakage Breaking.
- * Accommodate Flasks up to 1.000 ml. * Stabilized Orbital Motion.
- * RS232C Interface for Monitoring and Controlling with PC.
- * Universal Spring Rack for Various Shapes/Sizes of Flasks is available. (Optional)
- * Patented Jog-Shuttle Control System. * CE Certified.

Specification

Model		WIS-20	WIS-20R
Dimension (w × d × h)	Internal (mm)	530 × 530 × 350	
	External (mm)	575 × 855 × 850	
Heater		500 W	700 W
Refrigerator		None	184 W
Temp.	Range	Ambient +5 °C ~ 60 °C	10 °C ~ 60 °C
	Accuracy	±0.1 °C at 37 °C	±0.1 °C at 25 °C
	Uniformity	±0.5 °C at 37 °C	±0.5 °C at 25 °C
Sensor		PT100	
Refrigerator	Speed	30 ~ 250 rpm	
	Stroke	25 mm Orbital Motion	
Controller		Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)	
Display		Digital LCD Display with Back-Light Function	
Timer		99 hr 59 min (Continuous Function Included)	
Compressor Control		None	Intelligent Control of Refrigerator for Preventing Overload of Compressor
Refrigerant		None	CFC-Free(134A) Refrigeration System
Material	Internal	Stainless Steel (# 304)	
	External	Powder Coated Steel	
Room Lamp		Krypton Lamp, 60W	
Platform		Universal Platform for Various Shapes & Sizes of Flasks	
Flask Holder		Durable & Flexible Plastic Flask holder (up to 1.000 ml)	
Maximum Capacity of Flask Holder	FH100	36 ea	
	FH250	20 ea	
	FH500	16 ea	
Safety Device		Over Temp. and Over Current Protector, Sensor Error Detector, Leakage Breaker	
Others		CE Certified, Storage Function (Temp., Timer) Locking Mode (Jog-Shuttle Input Disabled) Alarm (Error Status and Timer-end) Automatic Stop when Door is Opened	
Power Consumption		500 W	1,2 kW
Packing Dimension(w×d×h) (mm)		1.000 × 800 × 1.100	
Gross Weight		147 kg	150 kg
Power plug type		Hybrid E+F	
Power Supply*		AC 230 V, 50 / 60 Hz	

* Other Specifications are available upon Customer's Request.

Ordering Information

General Purpose-type, Ambient +5 °C ~ 60 °C

DH.WIS02010 Shaking Incubator, **WIS-20**, Ambient +5 °C~60 °C with **SP600** Universal Platform

Refrigerated-type, 10 °C ~ 60 °C

DH.WIS02011 Shaking Incubator, **WIS-20R**, 10 °C~60 °C, with **SP600** Universal Platform

Optional Accessories

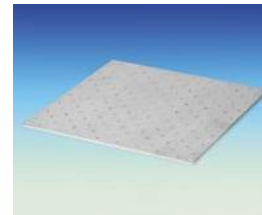
- DH.WIS04500 Universal Spring Rack for WIS-20(R), **SR500**, w 483 × d 483 × h 135 mm
- DH.WIS04600 Universal Platform for WIS-20(R), **SP600**, w 478 × d 478 mm
- DH.WIS04030 Flask Holder, **FH100**, 50~100 ml, for **SHO, SHR** and **WIS**
- DH.WIS04035 , **FH250**, 200~300 ml, for **SHO, SHR** and **WIS**
- DH.WIS04040 , **FH500**, 500~1.000 ml, for **SHO, SHR** and **WIS**

Validation (IQ, OQ & PQ) Service

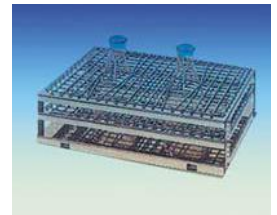
- DH.WIS32010 Validation Service(IQ, OQ & PQ), **ISV2010**, for **WIS-20**
- DH.WIS32011 , **ISV2011**, for **WIS-20R**
- DH.WIS42010 Calibration Certificate Service, 1 & 3 points, **ISC02010**, for **WIS-20**
- DH.WIS42011 , 1 & 3 points, **ISC02011**, for **WIS-20R**
- DH.WIS52010 Calibration Certificate Service, 9 points, **ISC12010**, for **WIS-20**
- DH.WIS52011 , 9 points, **ISC12011**, for **WIS-20R**



Precise Shaking Incubator, BenchTop Type (WIS-20R)



Universal Platform (SP600)



Universal Spring Rack (SR500)



Flask Holders (FH500, FH250, FH100)

WiseRemote® Remote Control Software

- standard delivery

Connection of **Wis2** Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



Main Screen



RS232C Cable & Software