

Incubator | shaking

front door-type, up to 60°C / 10°C - 60°C (refrigerated), 30-250 rpm, orbital motion



Orbital motion



Wise remote



Jog-Shuttle controller

WIS-30 front door, 60°C, orbital

Ideal for:

- biological cultures under various temperatures

Features:

- front door and sliding platform provides easy loading and handling of samples
- RS232C interface for monitoring and controlling (WireRemote)
- advanced shaking mechanism provides quiet shaking and precise speed control
- stabilized orbital motion, minimum noise and no vibration
- universal platform included
- accommodates flasks up to 1000 ml
- durable and flexible plastic flask holder (optional)
- universal spring rack for various flask shapes/sizes (optional)
- stainless steel interior and powder-coated body
- backlight LCD display
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat and over-current protection
- leakage breaker
- automatic operation stop when door opens

Controller:

- digital fuzzy controller with **Jog-Shuttle-switch** (turn + push)



WIS-30 with universal platform (included)



Model	WIS-30	WIS-30R
Temperature range	room temperature +5°C - 60°C	10°C - 60°C (refrigerated)
Temperature accuracy & uniformity	accuracy: ±0.2°C at 37°C, uniformity: ±0.5°C at 37°C	
Temperature sensor	PT100 sensor	
Heater	600 W	800 W
Compressor	none	190 W
Compressor control	none	refrigerator control for preventing overload
Refrigerant	none	CFC-free (134A) refrigeration system
Shaking speed & stroke	30 - 250 rpm, 25 mm orbital motion	
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end	
Max. capacity of flask holder 50-100 ml	35 pcs. flask holder for 50 - 100 ml flasks	
Max. capacity of flask holder 200-300 ml	16 pcs. flask holder for 200 - 300 ml flasks	
Max. capacity of flask holder 500 - 1000 ml	12 pcs. flask holder for 500 - 1000 ml flasks	
Internal dimensions (W x D x H)	570 x 465 x 470 mm	
External dimensions (W x D x H)	916 x 730 x 683 mm	
Packing size & gross weight	1050 x 900 x 900 mm, 146 kg	1050 x 900 x 900 mm, 156 kg
Power supply	1 Phase AC 120V, 60 HZ or AC 230V, 50/60 Hz	
Power consumption	600 W	1,3 kW
Order number 230V	DH.WIS00230	DH.WIS01230
Order number 120V	DH.WIS00130	DH.WIS01130

Accessories: Suitable platforms, racks and flask holder can be found on page 79

Incubator | shaking

bench top-type, up to 60°C / 10°C - 60°C (refrigerated), 30-250 rpm, orbital motion



Orbital motion



Wise remote



Jog-Shuttle controller

WIS-20 bench top, 60°C, orbital

Ideal for:

- biological cultures under various temperatures

Features:

- easy access to bench top by liftable door
- RS232C interface for monitoring and controlling (WireRemote)
- advanced shaking mechanism provides quiet shaking and precise speed control
- stabilized orbital motion, minimum noise and no vibration
- 60W krypton lamp
- universal platform included
- accommodates flasks up to 1000 ml
- durable and flexible plastic flask holder (optional)
- universal spring rack for various flask shapes/sizes (optional)
- stainless steel interior and powder-coated body
- backlight LCD display
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat and over-current protection
- sensor error detection and leakage breaker
- automatic operation stop when door opens

Controller:

- digital fuzzy controller with **Jog-Shuttle-switch** (turn + push)



WIS-20 with universal platform (included)

Model	WIS-20	WIS-20R
Temperature range	room temperature +5°C - 60°C	10°C - 60°C (refrigerated)
Temperature accuracy & uniformity	accuracy: $\pm 0.2^\circ\text{C}$ at 37°C, uniformity: $\pm 0.5^\circ\text{C}$ at 37°C	
Temperature sensor	PT100 sensor	
Heater	500 W	700 W
Compressor	none	190 W
Compressor control	none	refrigerator control for preventing overload
Refrigerant	none	CFC-free (134A) refrigeration system
Shaking speed & stroke	30 - 250 rpm, 25 mm orbital motion	
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end	
Max. capacity of flask holder 50-100 ml	32 pcs. flask holder for 50 - 100 ml flasks	
Max. capacity of flask holder 200-300 ml	20 pcs. flask holder for 200 - 300 ml flasks	
Max. capacity of flask holder 500 - 1000 ml	16 pcs. flask holder for 500 - 1000 ml flasks	
Internal dimensions (W x D x H)	530 x 530 x 350 mm	
External dimensions (W x D x H), net weight	575 x 855 x 850 mm	
Packing size & gross weight	1000 x 800 x 1100 mm, 147 kg	1000 x 800 x 1100 mm, 150 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Power consumption	500 W	1,2 kW
Order number 230V	DH.WIS00220	DH.WIS01220
Order number 120V	DH.WIS00120	DH.WIS01120

Accessories: Suitable platforms, racks and flask holder can be found on page 79

Incubator | shaking

top door-type, up to 60°C / 10°C - 60°C (refrigerated), 30-250 rpm, orbital motion



Orbital motion



Wise remote



Jog-Shuttle controller

WIS-10 top door, 60°C, orbital

Ideal for:

- biological cultures under various temperatures

Features:

- CFC free refrigerant (R-404A)
- easy access to bench top by liftable door
- RS232C interface for monitoring and controlling (WireRemote)
- advanced shaking mechanism provides quiet shaking and precise speed control
- stabilized orbital motion, minimum noise and no vibration
- 60W krypton lamp (WIS-10, WIS-10R)
- universal platform included
- accommodates flasks up to 1000 ml
- durable and flexible plastic flask holder (optional)
- universal spring rack for various flask shapes/sizes (optional)
- stainless steel interior and powder-coated body
- backlight LCD display
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat and over-current protection
- sensor error detection and leakage breaker
- automatic operation stop when door opens

Controller:

- digital fuzzy controller with **Jog-Shuttle-switch** (turn + push)



WIS-10 with universal platform (included)

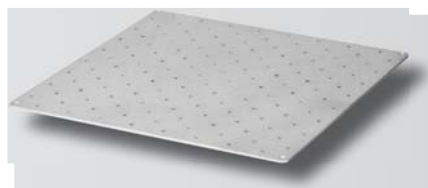
Model	WIS-10	WIS-10R	WIS-10RL
Temperature range	R/T +5°C - 60°C	+10°C - 60°C (refrigerated)	
Temperature accuracy & uniformity	accuracy: ±0.2°C at 37°C, uniformity: ±0.5°C at 37°C		
Temperature sensor	PT100 sensor		
Heater	800 W	1 kW	1.2 kW
Compressor	none	250 W	
Compressor control	none	refrigerator control for preventing overload	
Shaking speed & stroke	30 - 250 rpm, 25 mm orbital motion		
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end		
Room lamp	Krypton lamp, 60 W		-
Max. capacity of flask holder 50-100 ml	68 pcs. flask holder for 50 - 100 ml flasks		
Max. capacity of flask holder 200-300 ml	36 pcs. flask holder for 200 - 300 ml flasks		
Max. capacity of flask holder 500 - 1000 ml	21 pcs. flask holder for 500 - 1000 ml flasks		
Internal dimensions (W x D x H)	750 x 720 x 400 mm		
External dimensions (W x D x H)	1065 x 900 x 980 mm		
Packing size & gross weight	1220 x 1060 x 1200 mm, 231 kg	1220 x 1060 x 1200 mm, 238 kg	1220 x 1060 x 1200 mm, 238 kg
Power supply	1 Phase AC 120V, 60 HZ or AC 230V, 50/60 Hz		
Power consumption	800 W	1,8 kW	2,1 kW
Order number 230V	DH.WIS00210	DH.WIS04210	DH.WIS05210
Order number 120V	DH.WIS00110	DH.WIS04110	DH.WIS05110

Accessories: Suitable platforms, racks and flask holder can be found on page 79

Universal platforms

• suitable for shaking incubators **WIS**

For device...	Measurements	Article	Order number
WIS-30 / WIS-30R	485 x 405 mm	SP630	DH.WIS504630
WIS-20 / WIS-20R	478 x 478 mm	SP600	DH.WIS504600
WIS-10 / WIS-10R / WIS-10RL	688 x 648 mm	SP610	DH.WIS504610
WIS-ML02 / WIS-ML04	645 x 645 mm	SP620	DH.WIS504620



Universal spring racks

• suitable for shaking incubators **WIS**

For device...	Measurements	Article	Order number
WIS-30 / WIS-30R	498x408xh135 mm	SR530	DH.WIS504530
WIS-20 / WIS-20R	483x483xh135 mm	SR500	DH.WIS504500
WIS-10 / WIS-10R / WIS-10RL	693x653xh135 mm	SR510	DH.WIS504510
WIS-ML02 / WIS-ML04	653x653xh135 mm	SR520	DH.WIS504520



Shaking incubators



Smart -Easy

Accesorios de fijación magnética Smart-Clip rápida y sencilla mediante imanes