

**WiseTis®
& WiseStir®**

Homogenizers



- **Homogenizer with Direct Controller**
- **Digital Homogenizer with Remote Controller**
- **Homogenizing Stirrer, for use with Tissue Grinders**

- Designed for Liquid and Tissue Samples.
- Useful for All Dispersing and Homogenizing Applications.
- High-speed / High Quality / Low Noise : Max. 27.000 RPM. (without load)
- Speed & Power Control Optimized for a Sample.
- High Efficiency Dispersing Tool Made of Stainless steel and PTFE.

▶ Digital Homogenizer with Remote Controller



HG-15D-Set

▶ Homogenizer with Direct Controller



HG-15A-Set

▶ Homogenizing Stirrer, for use with Tissue Grinders



HS-30E-Set

“witeg” WiseTis® HG-15A Homogenizer with Direct Controller, up to 27.000 rpm
 Analog Stepless Control System, 1~2.500 ml, High-Speed · High-Quality · Low Noise, High Efficiency Dispersing Tools

- Useful for All Dispersing and Homogenizing Applications
- Over Heat Protection
- CE Certified

Application & Features

- * Designed for Liquid and Tissue Samples.
- * Useful for All Dispersing and Homogenizing Applications.
- * High Speed / High Quality / Low Noise : Max. 27.000 RPM (without load)
- * Speed & Power Control Optimized for the Sample.
- * High Efficiency Dispersing Tool made of Stainless Steel and PTFE.
- * Over-Heat Protection.
- * Low Cost & High Efficiency.
- * CE Certified.

Specification

Model		HG-15A
Dimension (w × d × h)(mm)		60 × 75 × 215
Working Range		1 ~ 2.500 ml
Speed		Max. 27.000 rpm (without load)
Speed Adjustment		Stepless
Motor Rating (Input / Output)		300 / 160 W
Controller		Analog Phase Controller
Usable Tool		HT1008, HT1010, HT1018 & HT1025
Material	Body	Aluminum Die-casting and ABS
	Tool	Stainless Steel (# 304)
Extension Arm Diameter		12,7 mm
Extension Arm Length		250 mm
Permissible Ambient Temperature		Ambient +5 ~ 50 °C
Permissible Relative Moisture		85 %
Safety Device		Over Heat Protector
Weight		2,5 kg
Others		CE Certified
Packing Dimension (w × d × h)(mm)		320 × 300 × 190
Gross Weight		5 kg
Power Consumption		160 W
Power plug type		Hybrid E+F
Power Supply*		AC 230 V, 50 / 60 Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

- DH.WHG02015 Homogenizer HG-15A-Unit, 1~2.500 ml**
 Analog Controller, without Dispersing Tool
- DH.WHG02016 Homogenizer Package, HG-15A-Set-A, with HT1018 Dispersing Tool, CL200 Clamp, and ST110 Standard Plate Stand**
 Packing Dimension w 320 × d 300 × h 190 mm, Gross Weight 11 kg
- DH.WHG02017 Homogenizer Package, HG-15A-Set-B, with HT1025 Dispersing Tool, CL200 Clamp, and ST110 Standard Plate Stand**
 Packing Dimension w 320 × d 300 × h 190 mm, Gross Weight 8 kg

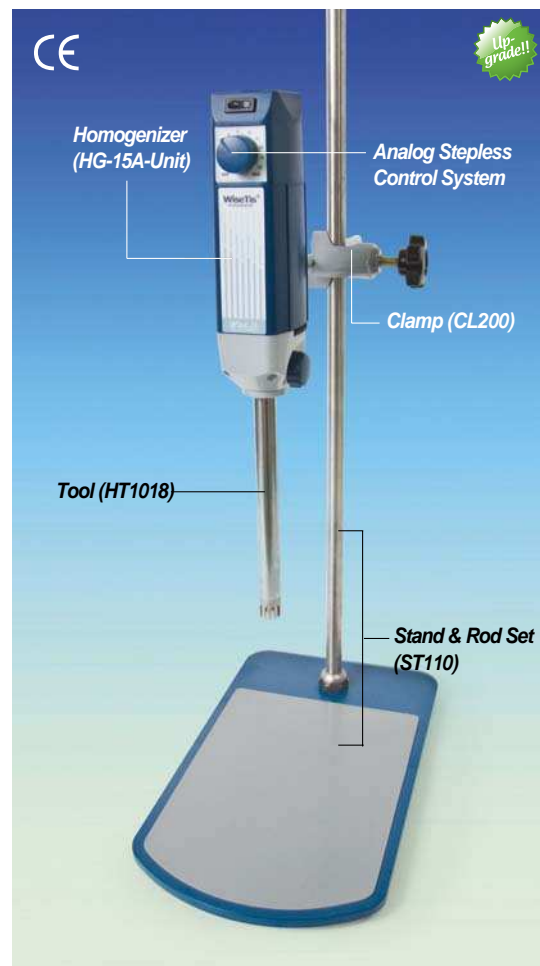
Dispersing Tools

- DH.WHG02108** Homogenizer Tool, **HT1008**, Rotor ϕ 6.1 , Stator ϕ 8 , 1~50 ml
DH.WHG02110 , **HT1010**, Rotor ϕ 7,5 , Stator ϕ 10, 1~100 ml
DH.WHG02118 , **HT1018**, Rotor ϕ 12,7, Stator ϕ 18, 10~1.000 ml
DH.WHG02125 , **HT1025**, Rotor ϕ 17 , Stator ϕ 25, 50~2.500 ml

Additional Function Accessories

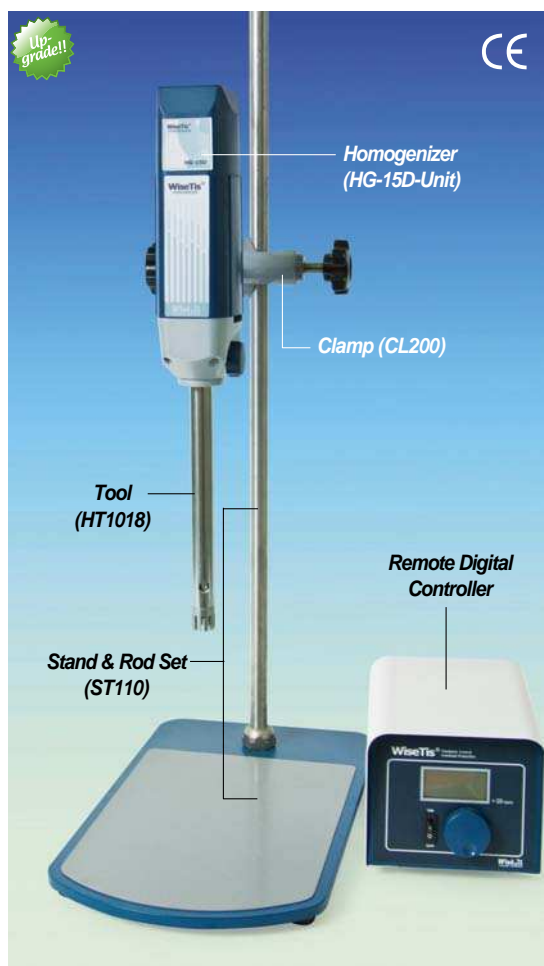
- ※ witeg WiseStir®, WiseTis® Accessories
- DH.WOS502020 CL200**, Clamp for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity ϕ 23 mm for Stand / Rod
- DH.WOS501510 ST110**, Standard Plate Stand for Stirrer or Homogenizer, ϕ 16 × h 800 mm Rod, 20 × 35 cm Plate, with Silicone Pad
- DH.WOS501515 ST120**, Wide Plate Stand for Stirrer or Homogenizer, ϕ 23 × h 1.000 mm Rod, 30 × 40 cm Plate, with Silicone Pad

※ See page 67 for the Specifications of Dispersing Tools and Accessories.



Homogenizer with Direct Controller (HG-15A-Set-B)

“witeg” **WiseTis®HG-15D** Homogenizer with Remote Digital Controller, 2.000~27.000 rpm Microprocessor Digital-Control and LCD of Speed & Power, 1~2.500 ml, High-Efficiency Dispersing Tools



Homogenizer with Remote Digital Controller (HG-15D-Set-B)

- Patented Jog-Shuttle Control System
- CE Certified

Application & Features

- * Designed for Liquid and Tissue Samples.
- * Useful for All Dispersing and Homogenizing Applications.
- * High Speed / High Quality / Low Noise : Max. 27.000 RPM (without load)
- * Remote Digital Controller : Fully Digital Control Using Microprocessor.
- * Speed & Power Control Optimized for the Sample.
- * LCD Display of Speed(RPM) and Power Bar Graph.
- * High Efficiency Dispersing Tool made of Stainless Steel and PTFE.
- * Over-Load & Over Heat Protection.
- * Low Cost & High Efficiency.
- * Patented Jog-Shuttle Control System.
- * CE Certified.

Specification

Model		HG - 15D
Dimension (w×d×h) (mm)		60 × 75 × 215
Working Range		1 ~ 2.500 ml
Speed		2.000 ~ 27.000 rpm (without load)
Speed Control Resolution		10 rpm
Motor Rating (Input / Output)		300 / 160 W
Controller		Digital Feedback Controller (Remote Type)
Cable Length of Remote Controller		1,8 m
Display		Digital LCD Display with Back-Light Function
Usable Tool		HT1008, HT1010, HT1018 & HT1025
Material	Body	Aluminum Die-Casting and ABS
	Tool	Stainless Steel (# 304)
Extension Arm Diameter		12,7 mm
Extension Arm Length		250 mm
Permissible Ambient Temperature		Ambient +5 ~ 50 °C
Permissible Relative Moisture		85 %
Safety Device		Over Load & Over Heat Protector
Weight		2,5 kg
Others		CE Certified
Packing Dimension (w×d×h) (mm)		580×340×230
Gross Weight		6 kg
Power Consumption		160 W
Power plug type		Hybrid E+F
Power Supply*		AC 230 V, 50 / 60 Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

- DH.WHG02018** Homogenizer **HG-15D-Unit**, 1~2.500 ml, with Remote Controller, without Tool
- DH.WHG02019** Homogenizer Package, **HG-15D-Set-A**, with Remote Controller, **HT1018** Tool, **CL200** Clamp and **ST110** Stand
Packing Dimension w 580 × d 340 × h 230 mm, Gross Weight 18 kg
- DH.WHG02020** Homogenizer Package, **HG-15D-Set-B** with Remote Controller, **HT1025** Tool, **CL200** Clamp and **ST110** Stand
Packing Dimension w 580 × d 340 × h 230 mm, Gross Weight 15 kg

Dispersing Tools

- DH.WHG02108** Homogenizer Tool, **HT1008**, Rotor ϕ 6,1 , Stator ϕ 8 , 1~50 ml
- DH.WHG02110** Homogenizer Tool, **HT1010**, Rotor ϕ 7,5 , Stator ϕ 10, 1~100 ml
- DH.WHG02118** Homogenizer Tool, **HT1018**, Rotor ϕ 12,7, Stator ϕ 18, 10~1.000 ml
- DH.WHG02125** Homogenizer Tool, **HT1025**, Rotor ϕ 17 , Stator ϕ 25, 50~2.500 ml

Additional Function Accessories

- ※ witeg WiseStir®, WiseTis® Accessories
- DH.WOS502020** **CL200**, Clamp for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity ϕ 23 mm for Stand / Rod
- DH.WOS501510** **ST110**, Standard Plate Stand for Stirrer and Homogenizer, ϕ 16 × h 800 mm Rod, 20 × 35 cm Plate, with Silicone Pad
- DH.WOS501515** **ST120**, Wide Plate Stand for Stirrer and Homogenizer, ϕ 23 × h 1000 mm Rod, 30 × 40 cm Plate, with Silicone Pad

※ See page 67 for the Specifications of Dispersing Tools and Accessories.

Homogenizer Accessories, Dispersing Tools & Plate Stand for WiseStir® & WiseTis®

- Accurate Stator & Rotor made of Stainless Steel
- High Efficiency Dispersing Tool made of Stainless Steel and PTFE
- Low Cost & High Efficiency

Model	HT1008 (1)	HT1010 (2)	HT1018 (3)	HT1025 (4)
Working Range	1 ~ 50 ml	1 ~ 100 ml	10 ~ 1.000 ml	50 ~ 2.500 ml
Stator Diameter	8 mm	10 mm	18 mm	25 mm
Rotor Diameter	6,1 mm	7,5 mm	12,7 mm	17 mm
Gap between Rotor and Stator	1,9 mm	2,5 mm	5,3 mm	8 mm
Allowable Speed Max.	27.000 rpm		20.000 rpm	15.000 rpm
Immersion Depth Min.	35 mm		60 mm	
Immersion Depth Max	70 mm		130 mm	
Shaft Length	138 mm		225 mm	
Bearing Material	PTFE			
Suitable for Solvent	Yes			
Max. Temperature	180 °C			
Sterilization Method	All Methods			
Suspensions	10 ~ 50 µm			
Emulsions	1 ~ 10 µm			

* Test Condition : 1,8 liters of water in the 2 liters capacity beaker.

- DH.WHG02108 (1) Homogenizer Tool, **HT1008**
Rotor ϕ 6,1, stator ϕ 8, 1~50 ml
- DH.WHG02110 (2) Homogenizer Tool, **HT1010**
Rotor ϕ 7,5, stator ϕ 10, 1~100 ml
- DH.WHG02118 (3) Homogenizer Tool, **HT1018**
Rotor ϕ 12,7, stator ϕ 18, 10~1.000 ml
- DH.WHG02125 (4) Homogenizer Tool, **HT1025**
Rotor ϕ 17, stator ϕ 25, 50~2.500 ml

Additional Function Accessories

- * WiseStir®, WiseTis® Accessories
- DH.WOS502020 (5) High Quality Clamp, **CL200**,
Cast Aluminum, Grip Capacity, ϕ 23 mm for Stand / Rod
- DH.WOS501510 (6) Standard Plate Stand, **ST110**,
for Stirrer and Homogenizer
 ϕ 16×h 800 mm Rod, **RD501**, 20×35 cm Plate, with Silicone Pad
- DH.WOS501515 (7) Wide Plate Stand, **ST120**,
for Stirrer and Homogenizer
 ϕ 23×h 1.000 mm Rod, **RD522**, 30×40 cm Plate, with Silicone Pad

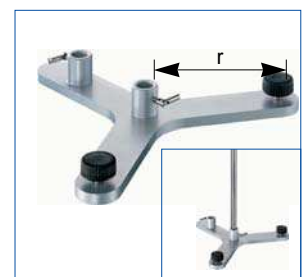


Steel Retort Base Duo Stand, up to ϕ 16 mm Rods, for 2 Rods Nonskid Feet equipped, with Hinged Screw M6, Rod Excluded

- * Can Fix Rods up to 2 ea (Below ϕ 16 mm)
- * Stand Thickness : 8 mm

Ordering Information

- US.2040 Stand, **US2040**, r=150 mm
US.2041 , **US2041**, r=185 mm



Steel Retort Base Duo Stand

“witeg” WiseStir® High-Quality, Stainless Steel (#304) Rod for Plate Stand, ϕ 16 / 23 mm

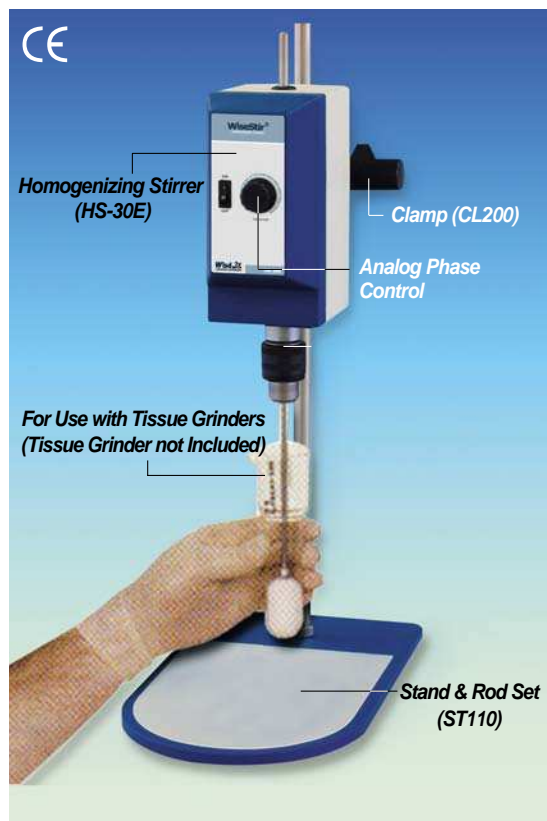
- DH.WOS502001 Stainless steel Rod, **RD501**, ϕ 16×h 800 mm, non-screw
- DH.WOS502002 , **RD502**, ϕ 16×h 1.000 mm, non-screw
- DH.WOS502003 , **RD503**, ϕ 16×h 1.200 mm, non-screw
- DH.WOS502011 , **RD511**, ϕ 16×h 800 mm, screw
- DH.WOS502012 , **RD512**, ϕ 16×h 1.000 mm, screw
- DH.WOS502013 , **RD513**, ϕ 16×h 1.200 mm, screw
- DH.WOS502021 , **RD521**, ϕ 23×h 800 mm, screw
- DH.WOS502022 , **RD522**, ϕ 23×h 1.000 mm, screw
- DH.WOS502023 , **RD523**, ϕ 23×h 1.200 mm, screw



Stainless Steel Rods

“witeg” **WiseStir® HS-30E** Homogenizing Stirrer, for Use with Tissue Grinders

Analog Phase Control, 200~5.000 rpm



Homogenizing Stirrer (HS-30E-Set)

- Ideal for usage with Tissue Grinders
- Over Heat Protection
- CE Certified

Application & Features

- * Designed for Most Laboratory Applications such as Homogenizing or Mixing.
- * Compact Unit with Solid State Speed Control.
- * Ideal for usage with Tissue Grinders.
- * Over Heat Protection.
- * CE Certified.

Specification

Model	HS-30E
Dimension (w × d × h) (mm)	90 × 145 × 180
Speed Range	0 ~ 5.000 rpm
Maximum Torque	85 Ncm
Stirring Quantity	Max. 10 Lit.
Motor Rating (Input / Output)	83 / 75 W (1 / 10 HP)
Controller	Analog Phase Controller
Safety Device	Over Heat Protector
Weight	3,5 kg
Others	CE Certified
Packing Dimension (w × d × h) (mm)	320 × 300 × 190
Gross Weight	5 kg
Power Consumption	75 W
Power plug type	Hybrid E+F
Power Supply*	AC 230 V, 50 / 60 Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

Stirrer Unit Only

DH.WOS01010 Homogenizing Stirrer, **HS-30E-Unit Only**, 200~5.000 rpm

DH.WOS01011 Homogenizing Stirrer Package, **HS-30E-Set**,
with **CL200** Clamp and **ST110** Standard Plate Stand
Packing Dimension w 320 × d 300 × h 190 mm, Gross Weight 10 kg

※ You will find matching grinders in our general catalogue on page : 307

※ **Note!**
The Package does not Include a Tissue Grinder