

WiseTis[®]
& *WiseStir*[®]

Homogenizers and Dispergers

- 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 Tools made of Stainless Steel and PTFE
- Compact Unit with Solid State Speed Control (HS-30 model)

- **Dispergers and Homogenizer with Direct Controller** P. 59
- **Dispergers and Homogenizer with Remote Digital Controller** P. 60
- **Dispergers and Homogenizing Stirrer** P. 62
- **Dispergers and Homogenizer Accessories, Dispersing Tools & Plate Stand** P. 61

❖ **Digital Homogenizer with Remote Controller (HG-15D model)**



❖ **Homogenizer with Direct Controller (HG-15A model)**



❖ **Homogenizing Stirrer, for use with Tissue Grinders (HS-30E model)**



Cat. No	Description	Articles
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“witeg” **WiseTis® HG-15A** Homogenizer with Direct Controller, up to 27.000 rpm, 1~2.500ml with Analog Stepless Control System, High Efficiency Dispersing Tools, High-Speed · High-Quality · Low Noise

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

- * 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

Specification

Model	Homogenizer Package-Set “HG - 15A-Set”
Speed Range & Adjustment	Max. 27.000 rpm (without load), Stepless
Working Range	1 ~ 2.500ml
Motor Rating (Input / Output)	Input : 300W , Output : 160 W
Controller	Analog Phase Controller
Safety Device	Over Heat Protector
Usable Dispersing Tool	φ 8mm Stator “HT1008”, φ 10mm Stator “HT1010”, φ 10mm Stator “HT1018”, φ 25mm Stator “HT1025”
Material	Aluminum Die-casting and ABS-Unit, Stainless Steel (# 304)-Tool
Permissible Temp. & Moisture	Ambient +5 ~ 50 °C, 85%
Extension Arm Size	φ 12,7 × L250mm
Dimension & Weight	60 × 75 × h215mm, 2,5kg
Packing Size & Gross Weight	320 × 300 × h190mm, 5 kg
Power Consumption	160W
Power plug type	Hybrid E+F
Power Supply*	AC 230V, 1N~, 50/60Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

- * Package-Set : “HG-15A-Set-A” –with (3) “HT1018” Dispersing Tool(Rotor φ 12,5, Stator φ 18), “CL200” Clamp, “ST110” Standard Plate Stand
- “HG-15A-Set-B” –with (4) “HT1025” Dispersing Tool(Rotor φ 20, Stator φ 25), “CL200” Clamp, “ST110” Standard Plate Stand
- Package Dimension and Weight exclude “ST110” Standard Plate Stand

with “HT1018” Dispersing Tool, “HG-15A-Set-A” Package-set

DH.WHG02016 Homogenizer Package, 230V, “HG-15A-Set-A”

with “HT1025” Dispersing Tool, “HG-15A-Set-B” Package-set

DH.WHG02017 Homogenizer Package, 230V, “HG-15A-Set-B”

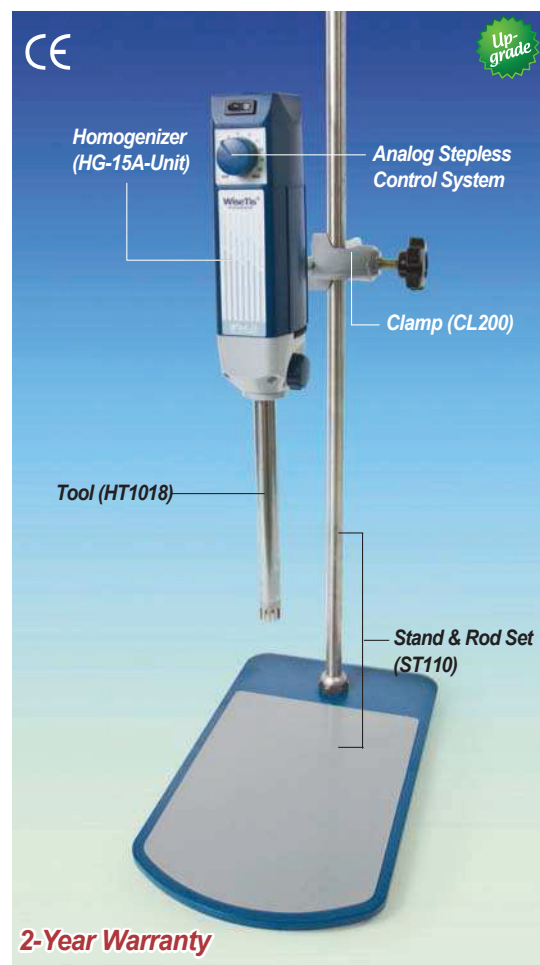
without Dispersing Tool, Homogenizer Unit Only

DH.WHG02015 Homogenizer Unit, 230V, “HG-15A-Unit”

Spare Dispersing Tool & Clamp & Plate Stand

- DH.WHG02108 (1) Dispersing Tool, “HT1008”, Rotor φ 6,1 , Stator φ 8mm , 1~50ml
- DH.WHG02110 (2) , “HT1010”, Rotor φ 7,5 , Stator φ 10mm, 1~100ml
- DH.WHG02118 (3) , “HT1018”, Rotor φ 12,5, Stator φ 10mm, 10~1.000ml
- DH.WHG02125 (4) , “HT1025”, Rotor φ 20 , Stator φ 25mm, 50~2.500ml
- DH.WOS502020 Clamp, “CL200”, for Stirrer or Homogenizer, Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod
- DH.WOS501510 Standard Plate Stand, “ST110”, for Stirrer or Homogenizer, φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad
- DH.WOS501515 Wide Plate Stand, “ST120”, for Stirrer or Homogenizer, φ 23 × h1.000 mm Rod, w30 × d40 cm Plate, with Silicone Pad

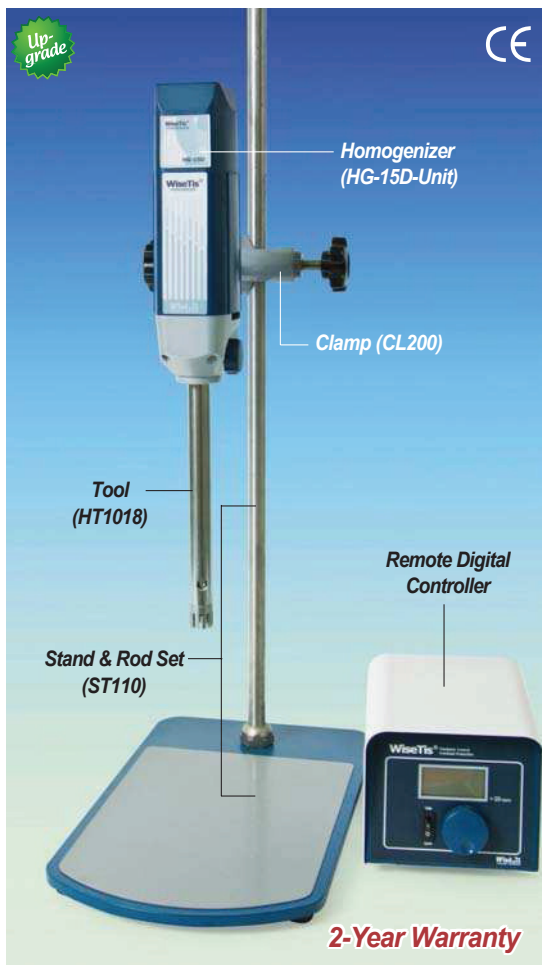
※ See page 61 for the Specifications of Dispersing Tools and Accessories.



Homogenizer Package-set “HG-15A-Set-A”



“witeg” WiseTis® HG-15D Homogenizer with Remote Digital Controller, 2.000~2.7000rpm with Microprocessor Digital-Control, High-Efficiency Dispersing Tools, Back Light LCD Display, 1~2.500ml



**Homogenizer with Remote Digital Controller
“HG-15D-Set-A”**

- **Patented Jog-Shuttle Control System**
- **CE Certified**

- * Useful for All Dispersing and Homogenizing Applications
- * Designed for Liquid and Tissue Samples
- * High Speed / High Quality / Low Noise : Max. 27.000 RPM (without load)
- * Remote Digital Controller : Fully Digital Controlled by Using Microprocessor
- * Speed & Power Control Optimized for a Sample
- * LCD Display of Speed(RPM) and Power Bar Graph
- * High Efficiency Dispersing Tool made of Stainless Steel and PTFE

Specification

Model	Homogenizer Package-Set “HG - 15D-Set”
Speed Range & Resolution	2.000 ~ 27.000rpm (without load), 10 rpm-Control
Working Range	1 ~ 2.500ml
Motor Rating (Input / Output)	Input : 300W , Output : 160 W
Timer & Alarm	99hr 59min (with Continuous run.), Timer-end Alarm
Display	Digital LCD Display with Back-Light Function
Controller	Digital Feedback Controller (Remote Type)
Safety Device	Over Load & Over Heat Protector
Usable Dispersing Tool	φ 8mm Stator “HT1008”, φ 10mm Stator “HT1010”, φ 10mm Stator “HT1018”, φ 25mm Stator “HT1025”
Material	Aluminum Die-casting and ABS-Unit, Stainless Steel (# 304)-Tool
Permissible Temp. & Moisture	Ambient +5 ~ 50°C, 85%
Extension Arm Size	φ 12,7 × L250mm
Dimension & Weight	60 × 75 × h215mm, 2,5kg
Packing Size & Gross Weight	580 × 340 × h230mm, 6 kg
Power Consumption	160W
Power plug type	Hybrid E+F
Power Supply*	AC 230V, 1N~, 50/60Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

- * Package-Set : “HG-15D-Set-A”—with (3) “HT1018” Dispersing Tool(Rotor φ 12,5, Stator φ 18), “CL200” Clamp, “ST110” Standard Plate Stand
- “HG-15D-Set-B”—with (4) “HT1025” Dispersing Tool(Rotor φ 20 , Stator φ 25), “CL200” Clamp, “ST110” Standard Plate Stand
- Package Dimension and Weight exclude “ST110” Standard Plate Stand

with “HT1018” Dispersing Tool, “HG-15D-Set-A” Package-set

DH.WHG02019 Homogenizer Package, 230V, “HG-15D-Set-A”

with “HT1025” Dispersing Tool, “HG-15D-Set-B” Package-set

DH.WHG02020 Homogenizer Package, 230V, “HG-15D-Set-B”

without Dispersing Tool, Homogenizer Unit Only

DH.WHG02018 Homogenizer Unit, 230V, “HG-15D-Unit”

Spare Dispersing Tool & Clamp & Plate Stand

- DH.WHG02108 (1) Dispersing Tool, “HT1008”, Rotor φ 6,1, Stator φ 8mm, 1~50ml
- DH.WHG02110 (2) , “HT1010”, Rotor φ 7,5, Stator φ 10mm, 1~100ml
- DH.WHG02118 (3) , “HT1018”, Rotor φ 12,5, Stator φ 10mm, 10~1.000ml
- DH.WHG02125 (4) , “HT1025”, Rotor φ 20, Stator φ 25mm, 50~2.500ml
- DH.WOS502020 Clamp, “CL200”, for Stirrer or Homogenizer,
Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod
- DH.WOS501510 Standard Plate Stand, “ST110”, for Stirrer or Homogenizer,
φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad
- DH.WOS501515 Wide Plate Stand, “ST120”, for Stirrer or Homogenizer,
φ 23 × h1.000 mm Rod, w30 × d40 cm Plate, with Silicone Pad

※ See page 61 for the Specifications of Dispersing Tools and Accessories.



Cat. No	Description	Articles
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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	(1)“HT1008”	(2)“HT1010”	(3)“HT1018”	(4)“HT1025”
Working Range	1 ~ 50ml	1 ~ 100ml	10 ~ 1.000ml	50 ~ 2.500ml
Stator Diameter	φ 8 mm	φ 10 mm	φ 10 mm	φ 25 mm
Rotor Diameter	φ 6.1 mm	φ 7.5 mm	φ 8.3mm	φ 20 mm
Gap between Rotor & Stator	0,25 mm	0,2 mm	0,25 mm	0,35 mm
Allowable Max. Speed	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 & Emulsions	Suspension : 10 ~ 50 _{µm} , Emulsion : 1 ~ 10 _{µm}			

* Test Condition : 1.8 liters of water in the 2 liters capacity beaker.



Spare Dispersing Tool & Clamp & Plate Stand

- DH.WHG02108 (1) Dispersing Tool, “HT1008”, Rotor φ 6,1 , Stator φ 8mm , 1~50ml
 DH.WHG02110 (2) , “HT1010”, Rotor φ 7,5 , Stator φ 10mm, 1~100ml
 DH.WHG02118 (3) , “HT1018”, Rotor φ 12,5, Stator φ 10mm, 10~1.000ml
 DH.WHG02125 (4) , “HT1025”, Rotor φ 20 , Stator φ 25mm, 50~2.500ml
 DH.WOS502020 (5) Clamp, “CL200”, for Stirrer or Homogenizer,
 Cast Aluminum, Grip Capacity φ 23mm for Stand/Rod
 DH.WOS501510 (6) Standard Plate Stand, “ST110”, for Stirrer or Homogenizer,
 φ 16 × h800 mm Rod, w20 × d35 cm Plate, with Silicone Pad
 DH.WOS501515 (7) Wide Plate Stand, “ST120”, for Stirrer or Homogenizer,
 φ 23 × h1000 mm Rod, w30 × d40 cm Plate, with Silicone Pad



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

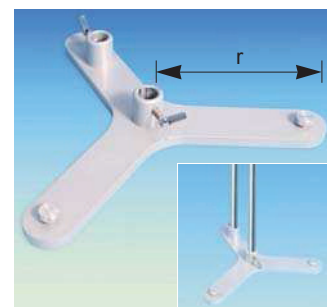
* Can Fix Rods up to 2ea (Below φ 16mm) * Stand Thickness : 8mm

Retort Stand, Only Stand Base

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

Optional Stainless Steel Rod

- DH.WOS502001 Stainless steel Rod, “RD501”, φ 16 × h800mm, non-screw
 DH.WOS502002 , “RD502”, φ 16 × h1.000mm, non-screw
 DH.WOS502003 , “RD503”, φ 16 × h1.200mm, non-screw



Steel Retort Base Duo Stand

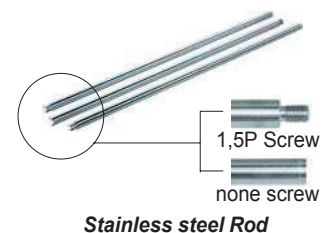
“witeg” *WiseStir*[®] High-Quality Stainless Steel (#304) Rod. for Plate Stand, φ 16/23 mm

Plain-type φ 16mm Rod, without Screw

- DH.WOS502001 Stainless steel Rod, “RD501”, φ 16 × h800mm, non-screw
 DH.WOS502002 , “RD502”, φ 16 × h1.000mm, non-screw
 DH.WOS502003 , “RD503”, φ 16 × h1.200mm, non-screw
 DH.WOS502031 , “RD531”, φ 23 × h800mm, non-screw
 DH.WOS502033 , “RD533”, φ 23 × h1.200mm, non-screw

1,5P Screw-type φ 16 & 23mm Rod

- DH.WOS502011 Stainless steel Rod, “RD511”, φ 16 × h800mm, 1,5P Screw
 DH.WOS502012 , “RD512”, φ 16 × h1.000mm, 1,5P Screw
 DH.WOS502013 , “RD513”, φ 16 × h1.200mm, 1,5P Screw
 DH.WOS502021 , “RD521”, φ 23 × h800mm, 1,5P Screw
 DH.WOS502022 , “RD522”, φ 23 × h1.000mm, 1,5P Screw
 DH.WOS502023 , “RD523”, φ 23 × h1.200mm, 1,5P Screw



Stainless steel Rod

“witeg” WiseStir® HS-30E Homogenizing Stirrer, for Tissue Grinder, 200~5.000rpm
 For Tissue Grinders, Analog Phase Control, without Tissue Grinder



Homogenizing Stirrer Package-Set “HS-30E-Set”

- Ideal for usage with Tissue Grinders
- CE Certified

- * Designed for most Laboratory Applications such as Homogenizing or Mixing
- * Compact Unit with Solid State Speed Control

Specification

Model	Homogenizing Stirrer “HS - 30E”
Speed Range & Max. Torque	200 ~ 5.000 rpm, 85 Ncm
Stirring Capacity	Max. 10 Lit.
Motor Rating	Input : 83 W, Output : 75 W, 1/10 HP
Safety Device	Over Heat Protector
Controller	Analog Phase Controller
Dimension & Weight	90 × 145 × h180mm, 3,5 kg
Packing Size & Gross Weight	320 × 300 × h190mm, 5 kg
Power Consumption	75W
Power plug type	Hybrid E+F
Power Supply*	AC 230V, 1N~, 50/60Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

- * Package-Set : “HS-30E-Set”- with “CL200” Clamp, “ST110” Standard Plate Stand
 - Package Dimension and Weight exclude “ST110” Standard Plate Stand

- DH.WOS01011 Homogenizing Stirrer Package-Set, 230V, “HS-30E-Set”
- DH.WOS01010 Homogenizing Stirrer, 230V, “HS-30E-Unit”

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

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