

DAIHAN-brand® Homogenizer with Remote Digital Controller, "HG-15D", 2,000~2,700rpm with Microprocessor Digital-Control, High-Efficiency Dispersing Tools, Back Light LCD, 1~2,500ml

- with Certificate & Traceability :
Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System

- Patented Jog-Shuttle Control System

- PL(Product Liability) Insurance

- 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 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	10sec ~ 15min, Timer-end Alarm
Display	Digital LCD 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 18mm Stator "HT1018", φ 25mm Stator "HT1025"
Material	Aluminum Die-casting and ABS-Unit, Stainless steel (# 304)-Tool
Permissible Temp. & Moisture	Ambient +5 ~ 50℃, 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 Supply & Cord Plug*	1 Phase, AC 120V, 60Hz or AC 230V, 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 12.8, 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"
- DH.WHG01019 , 120V, "HG-15D-Set-A"

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

- DH.WHG02020 Homogenizer Package, 230V, "HG-15D-Set-B"
- DH.WHG01020 , 120V, "HG-15D-Set-B"

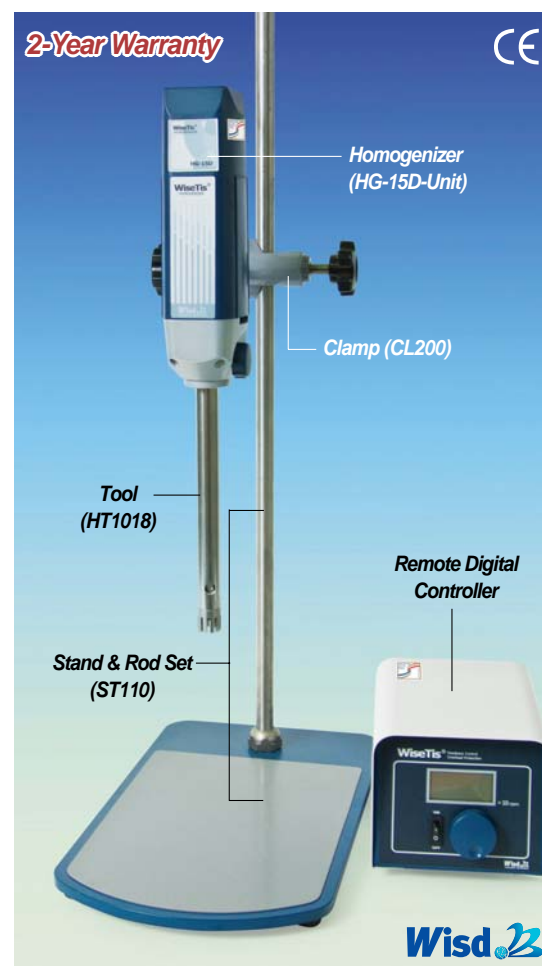
without Dispersing Tool, Homogenizer Unit Only

- DH.WHG02018 Homogenizer Unit, 230V, "HG-15D-Unit"
- DH.WHG01018 , 120V, "HG-15D-Unit"

Spare Dispersing Tool & Clamp & Plate Stand

- DH.WHG02108 (1) Dispersing Tool, "HT1008", Rotor φ 6, Stator φ 8mm, 1~50ml
- DH.WHG02110 (2) , "HT1010", Rotor φ 7.96, Stator φ 10mm, 1~100ml
- DH.WHG02118 (3) , "HT1018", Rotor φ 12.8, Stator φ 18mm, 10~1000ml
- DH.WHG02125 (4) , "HT1025", Rotor φ 20, Stator φ 25mm, 50~2500ml
- 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 × h1000 mm Rod, w30 × d40 cm Plate, with Silicone Pad

※ See page 94 for the Specifications of Dispersing Tools and Accessories.



Homogenizer with Remote Digital Controller "HG-15D-Set-A"

1~50ml



(1) Dispersing Tool "HT1008"

1~100ml



(2) Dispersing Tool "HT1010"

10 ~1,000ml



(3) Dispersing Tool "HT1018"

10~2,500ml



(4) Dispersing Tool "HT1025"



Homogenizer Accessories, Dispersing Tools & Plate Stand for Homogenizer

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

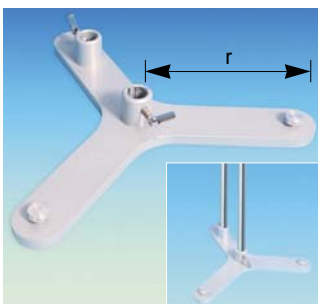
Model	(1)"HT1008"	(2)"HT1010"	(3)"HT1018"	(4)"HT1025"
Working Range	1 ~ 50ml	1 ~ 100ml	10 ~ 1,000ml	50 ~ 2,500ml
Stator Diameter	φ 8 mm	φ 10 mm	φ 18 mm	φ 25 mm
Rotor Diameter	φ 6 mm	φ 7.96 mm	φ 12.8mm	φ 20 mm
Gap between Rotor & Stator	0.25 mm	0.2 mm	0.25 mm	0.35 mm
Allowable Max. Speed	27,000 rpm		20,000 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 _μ m, Emulsion : 1 ~ 10 _μ m			

* 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 φ6, Stator φ8mm, 1~50ml
 DH.WHG02110 (2) "HT1010", Rotor φ7.96, Stator φ10mm, 1~100ml
 DH.WHG02118 (3) "HT1018", Rotor φ12.8, Stator φ18mm, 10~1000ml
 DH.WHG02125 (4) "HT1025", Rotor φ20, Stator φ25mm, 50~2500ml
 DH.WOS502020 (5) Clamp, "CL200", for Stirrer or Homogenizer, L135mm, Cast Aluminum, Grip Capacity φ23mm for Stand/Rod
 DH.WOS501510 (6) Standard Plate Stand, "ST110", for Stirrer or Homogenizer, φ16×h800 mm Rod, w20×d35 cm Plate, with Silicone Pad
 DH.WOS501515 (7) Wide Plate Stand, "ST120", for Stirrer or Homogenizer, φ23×h1000 mm Rod, w30×d40 cm Plate, with Silicone Pad



Usbeck[®] 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=150mm
 US.2041 "US2041", r=185mm

Optional Stainless steel Rod

- DH.WOS502001 Stainless steel Rod, "RD501", φ16×h800mm, Non-screw
 DH.WOS502002 "RD502", φ16×h1000mm, Non-screw
 DH.WOS502003 "RD503", φ16×h1200mm, Non-screw

DAIHAN-brand[®] 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", φ16×h800mm, Non-screw
 DH.WOS502002 "RD502", φ16×h1000mm, Non-screw
 DH.WOS502003 "RD503", φ16×h1200mm, Non-screw
 DH.WOS502031 "RD531", φ23×h800mm, Non-screw
 DH.WOS502033 "RD533", φ23×h1200mm, Non-screw

1.5P Screw-type φ 16 & 23mm Rod

- DH.WOS502011 Stainless steel Rod, "RD511", φ16×h800mm, 1.5P Screw
 DH.WOS502012 "RD512", φ16×h1000mm, 1.5P Screw
 DH.WOS502013 "RD513", φ16×h1200mm, 1.5P Screw
 DH.WOS502021 "RD521", φ23×h800mm, 1.5P Screw
 DH.WOS502022 "RD522", φ23×h1000mm, 1.5P Screw
 DH.WOS502023 "RD523", φ23×h1200mm, 1.5P Screw

