

Homogenizer

digital remote controller, 2,000 - 27,000 rpm, up to 2,500 ml

2,000-27,000 rpm
up to 2,500 ml



HG-15D Set



HG-15D digital, 2,000-27,000rpm

Ideal for:

- all dispersing and homogenizing applications
- designed for liquid and tissue samples

Features:

- 2,000 - 27,000 rpm
- working range 1 - 2,500 ml
- digital LCD display on remote controller
- timer from 10sec up to 15min
- CE certified and unique serial number for tracing

Safety mechanism:

- timer-end alarm
- overload protection
- overheat protection

Controller:

- **Jog-Shuttle** remote controller with touch-button

Model	HG-15D
Speed range & resolution	2,000 - 27,000 rpm, 10 rpm
Working range	1 - 2,500 ml
Motor rating	input: 300W, output: 160W
Timer & alarm	10sec - 15min, timer-end alarm
Display	digital LCD with backlight function
Controller	digital Feedback Controller (remote)
Safety device	overload & overheat protection
Material	aluminium die-casting and ABS unit
Permissible temperature & RH %	ambient temperature +5 ~ 50°C, 85% RH
Extension arm size	Ø12.7 x L250 mm
Dimension & weight	60x75xh215 mm, 2.5 kg
Packaging size	580x340xh230 mm, 6 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz
Order number 230V	Unit: DH.WHG02018 Set A: DH.WHG02019 Set B: DH.WHG02020
Order number 120V	Unit: DH.WHG01018 Set A: DH.WHG01019 Set B: DH.WHG01020

Set A includes:	Unit	HG-15D
	Dispersing tool	HT1018 rotor Ø12.5 mm, stator Ø18 mm, for 10-1,000 ml
	Clamp	CL200 for stirrer and homogenizer
	Plate stand with rod	ST110 plate 20x35 cm, rod Ø16 x h800 mm
Set B includes:	Unit	HG-15D
	Dispersing tool	HT1025 rotor Ø20 mm, stator Ø25 mm, for 50-2,500 ml
	Clamp	CL200 for stirrer and homogenizer
	Plate stand with rod	ST110 plate 20x35 cm, rod Ø16 x h800 mm

Accessories: Dispersing tools, tissue grinder, pestles and plate stands on page 127

Homogenizer

analog, up to 27,000 rpm, up to 2,500 ml

up to 27,000 rpm
up to 2,500 ml



HG-15A Set

HG-15A analog, up to 27,000rpm

Ideal for:

- all dispersing and homogenizing applications
- designed for liquid and tissue samples

Features:

- up to 27,000 rpm
- working range 1 - 2,500 ml
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat protection

Controller:

- analog stepless controller with touch-button

Model	HG-15A
Speed range & resolution	up to 27,000 rpm, stepless
Working range	1 - 2,500 ml
Motor rating	input: 300W, output: 160W
Controller	analog phase controller
Safety device	overheat protection
Material	aluminium die-casting and ABS unit
Permissible temperature & RH %	ambient temperature +5 ~ 50°C, 85% RH
Extension arm size	Ø12.7 x L250 mm
Dimension & weight	60x75xh215 mm, 2.5 kg
Packaging size	320x300xh190 mm, 5 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz
Order number 230V	Unit: DH.WHG02015 Set A: DH.WHG02016 Set B: DH.WHG02017
Order number 120V	Unit: DH.WHG01015 Set A: DH.WHG01016 Set B: DH.WHG01017

Set A includes:	Unit	HG-15A
	Dispersing tool	HT1018 rotor Ø12.5 mm, stator Ø18 mm, for 10-1,000 ml
	Clamp	CL200 for stirrer and homogenizer
	Plate stand with rod	ST110 plate 20x35 cm, rod Ø16 x h800 mm
Set B includes:	Unit	HG-15A
	Dispersing tool	HT1025 rotor Ø20 mm, stator Ø25 mm, for 50-2,500 ml
	Clamp	CL200 for stirrer and homogenizer
	Plate stand with rod	ST110 plate 20x35 cm, rod Ø16 x h800 mm

Accessories: Dispersing tools, tissue grinder, pestles and plate stands on page 127

Homogenizer

analog, 200 - 5,000 rpm, up to 10,000 ml

200 - 5,000 rpm
up to 10,000 ml



HS-30E Set
(tissue grinder not included)



HS-30E analog, 200-5,000rpm

Ideal for:

- all dispersing and homogenizing applications
- designed for tissue grinders

Features:

- 200 - 5,000 rpm
- working range up to 10,000 ml
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat protection

Controller:

- analog stepless controller with touch-button

Model	HS-30E
Speed range & resolution	200 - 5,000 rpm, 85 N cm
Working range	up to 10,000 ml
Motor rating	input: 83W, output: 75W, 1/10 HP
Controller	analog phase controller
Safety device	overheat protection
Material	aluminium die-casting and ABS unit
Permissible temperature & RH %	ambient temperature +5 ~ 50°C, 85% RH
Dimension & weight	90x145xh180 mm, 3.5 kg
Packaging size	320x300xh190 mm, 5 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz
Order number 230V	Unit: DH.WOS01010 Set: DH.WOS01011
Order number 120V	Unit: DH.WOS02010 Set: DH.WOS02011

Set includes: Unit HS-30E
Clamp CL200 for stirrer and homogenizer
Plate stand with rod ST110 plate 20x35 cm, rod Ø16 x h800 mm
NOTE: No tissue grinder included!

Accessories: Dispersing tools, tissue grinder, pestles and plate stands on page 127

Homogenizer

Accessories: Dispersing tools, tissue grinder and plate stands

Dispersing tools for homogenizer

• stator and rotor made of stainless steel

Model	HT1008	HT1010	HT1018	HT1025
Working range	1 - 50 ml	1 - 100 ml	10 - 1,000 ml	50 - 2,500 ml
Stator	Ø8 mm	Ø10 mm	Ø18 mm	Ø25 mm
Rotor	Ø6 mm	Ø7.96 mm	Ø12.8 mm	Ø20 mm
Gap stator <-> rotor	0.25 mm	0.2 mm	0.25 mm	0.35 mm
Maximal 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			
Maximal temperature	180°C			
Sterilization method	all methods			
Suspension and emulsions	suspension: 10-50µm, emulsion: 1-10µm			
Order number	DH.WHG02108	DH.WHG02110	DH.WHG02118	DH.WHG02125



Tissue grinders and pestles for homogenizers

Material	for capacity	working Ø	height	Order number
Tissue grinder borosilicate glass clearance 0.15 - 0.25 mm pestle shaft 6.5 mm	2 ml	8 mm	120 mm	5 553 800
	5 ml	12 mm	135 mm	5 553 801
	10 ml	15 mm	150 mm	5 553 802
	15 ml	16 mm	155 mm	5 553 803
	30 ml	25 mm	175 mm	5 553 804
	50 ml	32 mm	195 mm	5 553 805
Pestle PTFE head, serrated stainless steel shaft	2 ml		230 mm	5 553 850
	5 ml		235 mm	5 553 851
	10 ml		270 mm	5 553 852
	15 ml		270 mm	5 553 853
	30 ml		270 mm	5 553 854
	50 ml		270 mm	5 553 855



Plate stand with stainless steel rod

• plate with silicone rubber pad (ST110, ST120) or heavy duty safety stand (ST200, KA1177)

Type	Rod (included)	Plate	Article	Order number
Silicone rubber pad	Ø16xh800 mm with thread	20 x 35 cm	ST110	DH.WOS501510
Silicone rubber pad	Ø23xh1,000 mm with thread	30 x 40 cm	ST120	DH.WOS501515
Heavy duty safety stand	Ø23xh1,200 mm	39 x up to 75 cm adjustable	ST200	DH.WOS501520
Heavy duty safety stand	Ø23xh800 mm	34 x 29 cm	KA1177	DH.WOS1177



Universal jumbo clamp holder for plate stand

• suitable for all overhead stirrer and homogenizer plate stands

Type	Material	Mounting	Article	Order number
Jumbo clamp holder	cast aluminium	for Ø23 mm rod	CL200	DH.WOS502020

