

NEW!

Digital (Hotplate) Magnetic Stirrer

MS-H-Pro/MS-Pro

Main Data Description		MS-H-Pro	MS-Pro
Voltage (VAC)	100-230/200-240	50/60	50/60
Frequency (Hz)	50/60	50	50
Power (W)	550	90	90
Stirring point position quantity	1	1	1
Max. stirring quantity (L) (L)	20	20	20
Max. magnetic bar (mm)	80	80	80
Motor type	External rotor brushless motor	External rotor brushless motor	External rotor brushless motor
Motor rating input (W)	18	18	18
Motor rating output (W)	10	10	10
Speed range (rpm)	100-1500	100 - 1500	100 - 1500
Speed display	LCD	LCD	LCD
Speed display accuracy (rpm)	1	1	1
Hotplate material	Stainless steel (Porcelain enamel)	Stainless steel (Porcelain enamel)	Stainless steel (Porcelain enamel)
Dimension of work plate (mm)	φ 135	φ 135	φ 135
Heating power (W)	600	—	—
Heating rate (L water) (K/min)	5 - 40	—	—
Temperature range (°C)	RT-340	—	—
Temperature display	LCD	—	—
Temperature display accuracy (°C)	0.1	—	—
Control accuracy of heating temperature (°C)	1	—	—
The safe temperature range of work plate (°C)	100-340	—	—
Temperature sensor of extrapolation	PT1000	—	—
Control accuracy of heating temperature with temperature sensor (°C)	0.2	—	—
Dimension (P x W x H) (mm)	235 x 160 x 85	265 x 160 x 85	265 x 160 x 85
Weight (kg)	2.8	2.8	2.8
Permissible ambient temperature (°C)	5 - 40	5 - 40	5 - 40
Permissible relative humidity	80%	80%	80%
Production date acc. to DIN EN60528	IP42	IP42	IP42
RS232 interfaces	Yes	Yes	Yes

Ordering information

Cat No.	Description
811113010000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, Cat plug, 110V/220V/50/60Hz
811113020000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, USA plug, 110V/220V/50/60Hz
811113030000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, Euro plug, 110V/220V/50/60Hz
811113040000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, UK plug, 110V/220V/50/60Hz
811113050000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, USA plug, 110V/220V/50/60Hz
811113060000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, Euro plug, 110V/220V/50/60Hz
811113100000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, Cat plug, 110V/220V/50/60Hz
811113110000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, USA plug, 110V/220V/50/60Hz
811113120000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, UK plug, 110V/220V/50/60Hz
811123010000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 110V/50/60Hz
811123020000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, Cat plug, 220V/50/60Hz
811123030000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, USA plug, 110V/50/60Hz
811123040000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, Euro plug, 220V/50/60Hz
811123050000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, UK plug, 220V/50/60Hz
811123100000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, Euro plug, 220V/50/60Hz
811123110000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, UK plug, 220V/50/60Hz
811123120000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 220V/50/60Hz

Accessories

Cat No.	Description
18000001	MS 135-1, Carrier plate(Blue), suitable for stainless steel hotplate, use with MS135.2-7
18000005	MS 135-5, Fixed ring(Blue), suitable for stainless steel hotplate, use with MS135.2-7
18000002	MS 135-2, red quarter pie, 9 holes, 4 ml reaction vessel, use with MS135.1 and MS135.8
18000003	MS 135-3, purple quarter pie, 4 holes, 20 ml reaction vessel, use with MS135.1 and MS135.8
18000004	MS 135-4, blue quarter pie, 4 holes, 30 ml reaction vessel, use with MS135.1 and MS135.8
18000005	MS 135-5, black quarter pie, 4 holes, 40 ml reaction vessel, use with MS135.1 and MS135.8
18000046	MS 135-6, green quarter pie, 8 holes, 80 ml reaction vessel, use with MS135.1 and MS135.8
18000049	MS 135-7, golden quarter pie, 4 holes, 16ml reaction vessel, use with MS135.1 and MS135.8
18000006	Stirrer bar (10mm x 6mm), 1pc each pk
18000007	Stirrer bar (15mm x 8mm), 1pc each pk
18000008	Stirrer bar (20mm x 8mm), 1pc each pk
18000009	Stirrer bar (25mm x 8mm), 1pc each pk
12500005	Stirrer bar (30mm x 6mm), 1pc each pk
18000011	Stirrer bar (40mm x 8mm), 1pc each pk
12500004	Stirrer bar (51mm x 8mm), 1pc each pk
18000013	Stirrer bar (65mm x 8mm), 1pc each pk
18000014	Stirrer bar (80mm x 13mm), 1pc each pk
18000015	MARRM, Stirrer bar remover, 1pc
18000016	PT1000, Temperature sensor for MS-H-Pro
18000017	MSPS01, Support clamp for PT1000
18000018	F100, Protective cover, for MS-Pro MS-S
18000019	F101, Protective cover, for MS-H-Pro MS-H-S

* O.E.M. option also available.

Features

- Magnetic stirrer suitable for unsupervised operation, with new stir technology
- Automatic judgment stirring bar displacement and capture
- Easy-to-read backlit LCD display
- Fuzzy logic control and microprocessor technology guarantee maximum control accuracy
- A.B Mode ensure the stirring function not change due to external factors(MS-Pro)
- PC control via RS232 interface, the special SHPC software, can realize the setting of instrument parameters on the PC and the display of working curves real-time, and this software can be download free on our website.

Features of MS-H-Pro

- High accuracy of heating temperature controlling and the control of safe temperature
- Hotplate with stainless steel surface or porcelain enamel surface with excellent chemical resistance
- 2 adjustable safety circuits
- Separateness temperature sensor, protection temperature can be set
- Temperature sensors for heat transfer fluid and medium available (PT1000)
- Warning display indicating presence of any residual heat when the unit is switched off
- A.B.C Mode, ensure the stirring function not change due to external factors(MS-Pro)
- Bushing according to DIN 12878 for the use of contact thermometers



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