



MS-Pro Circular LCD Digital Magnetic Stirrers
MS-H-Pro Circular LCD Digital Hotplate-Stirrers



Main Data Description

	MS-H-Pro	MS-Pro
Voltage [VAC]	100-120/200-240	100-120/200-240
Frequency [Hz]	50/60	50/60
Power [W]	550	50
Stirring point position quantity	1	1
Max. stirring quantity (H ₂ O) [L]	20	20
Max. magnetic bar [mm]	80	80
Motor type	Exterior rotor brushless motor	Exterior rotor brushless motor
Motor rating input [W]	18	18
Motor rating output [W]	10	10
Speed range [rpm]	100-1500	100 - 1500
Speed display	LCD	LCD
Speed display accuracy [rpm]	1	1
Material	Stainless steel (porcelain enamel)	Stainless steel
Dimension of heating plate [mm]	φ135	φ135
Heat output [W]	500	—
Heating rate (1L water) [K/min]	6	—
Temperature range [°C]	RT-340	—
Temperature display	LCD	—
Temperature display accuracy [°C]	0,1	—
Control accuracy of heating temperature [°C]	1	—
Adjustable safety circuit (heating plate) [°C]	100 - 350	—
Temperature sensor of extrapolation	PT1000	—
Control accuracy of heating temperature with temperature sensor [°C]	0,2	—
Dimension [D x W x H] (mm)	280 x 160 x 85	280 x 160 x 85
Weight [kg]	2,8	2,8
Permissible ambient temperature [°C]	5 - 40	5 - 40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP42	IP42
RS232 interfaces	Yes	Yes

Features of MS-H-Pro

- With constant stirring and intermittent stirring functions, circulation period and interruption time-period can be set
- Hot plate with stainless steel surface or porcelain enamel surface with excellent chemical resistance
- 2 adjustable safety circuits
- Separate temperature sensor, protection temperature can be set
- Temperature sensor for heat transfer fluid and medium available (PT1000)
- Warning display indicating presence of any residual heat when the unit is switched off
- Bushing according to DIN 12878 for the use of contact thermometers
- **2 YEAR WARRANTY**

Features of MS-Pro

- Magnetic stirrer suitable for unsupervised operation
- Automatic judgment stirring bar displacement and capture
- Easy-to-read backlit LCD display
- Fuzzy control and microprocessor technology guarantee maximum control accuracy
- PC control via RS232 interface, can control and document all measuring values via PC. Parameter can be set to carry out safety monitoring
- **2 YEAR WARRANTY**



MS-H-Pro Magnetic Hotplate-Stirrer with PT-1000 Sensor & Sensor Support & Clamp

Ordering Information

Cat No.	Description
81111302	MS-Pro Digital Magnetic Stirrer, s/steel plate, 110V/60Hz
81111315	MS-Pro Digital Magnetic Stirrer, porcelain plate, 110V/60Hz
81112304	MS-H-Pro Digital Magnetic Hotplate Stirrer, s/steel plate, 110V/60Hz
81112302	MS-H-Pro Digital Magnetic Hotplate Stirrer, Porcelain plate, 110V/60Hz

Accessories

Cat No.	Description
D-101100	Magnetic stirring bar, round no pivot ring 10 x 3mm
D-101150	Magnetic stirring bar, round no pivot ring 13 x 8mm
D-101200	Magnetic stirring bar, round no pivot ring 19 x 8mm
D-101250	Magnetic stirring bar, round with pivot ring 25 x 7.9mm
D-101300	Magnetic stirring bar, round with pivot ring 32 x 7.9mm
D-101400	Magnetic stirring bar, round with pivot ring 38 x 9.5mm
D-101500	Magnetic stirring bar, round with pivot ring 51 x 9.5mm
D-101650	Magnetic stirring bar, round with pivot ring 75 x 12mm
D-110000	Magnetic stirring bar remover, 25 x 7mm
18900016	PT-1000 Temperature Sensor
18900017	PT-1000 Sensor Support and Clamp



MS-H-Pro with accessories



MS-Pro Magnetic Stirrer - Porcelain plate