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MAGNETIC STIRRER



10-POSITION MAGNETIC HOTPLATE STIRRER



Features:

- 10 positions supports synchronous heating and stirring
- Wear free magnetic coils and the magnetic coil technology provides noiseless and consistent stirring on all positions
- The max. heating temperature is 120 °C and the sample temperature can be up to 70 °C at maximum
- The max. speed is 1200rpm and the increment is 10rpm
- Economic mode can have the work plate automatic heating at low temperature
- Stainless steel with silicone work plate is skid-resistant and allows excellent heating uniformity
- Reverse rotation and error code display are available

SPECIFICATIONS:

Model	MS310
Stirring position	10
Work plate material	Stainless steel with silicone
Work plate dimension [L x W, mm]	470×205
Driving mode	Electromagnetic drive
Max. stirring quantity [L]	0.4 x 10
Heating temperature [°C]	Room temp. - 120
Safety temperature [°C]	150
Speed range [rpm]	0-1200
Speed increment [rpm]	10
Stirring position distance [mm]	93
Max. magnetic bar [L, mm]	30
Speed display	LED
Time display	LED
Economic mode	Yes
Adjustable Reverse rotation	Yes
Operation type	Continuous / timing operation
Time range	0-99h59min
Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Heating Power [W]	500
Power [W]	580
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class	IP30
Dimension [L x W x H, mm]	630x210x70
Weight [kg]	10



7 INCH LED DIGITAL MAGNETIC HOTPLATE STIRRER

Features:

- Hot surface warning at 50°C to prevent burns
- Independent digital wheels adjust the speed and temperature
- LED digital displays the target and actual speed and temperature
- Temperature is up to 510°C and the safety temperature is 50-550°C
- The external temperature sensor PT1000 enables precise control: accuracy of $\pm 1^\circ\text{C}$
- PID controller provides rapid heating and ensures long-time continuous operation
- Digital process timer allows for unsupervised operation and can be set from 0 to 99h59m
- Double over-temperature protection by the hardware and software provides high safety and reliability
- Stainless steel with ceramic coated heating plate can be resistant to high temperature, impact, and thermal shock
- Fully enclosed alloy casing provides high temperature resistance, excellent heat dissipation.
- Powerful stirring performance supports large stirring quantities up to 20L (H₂O) and ensures a stable running of 5L (H₂O) with the $\Phi 8.5 \times 50\text{mm}$ stirring bar at the max. speed of 1500rpm



SPECIFICATIONS:

Model	MI0102005
Stirring position	1
Set-up plate dimensions [mm]	185 x 185
Set-up plate material	Stainless steel with ceramic coated
Motor type	Brushless DC motor
Max. stirring quantity (H₂O) [L]	20
Max. stirring bar [L x Φ, mm]	80 x Φ9.5
Motor rating input [W]	25
Motor rating output [W]	17
Speed range[rpm]	50-1500
Speed display	LED
Heating output [W]	1000
Heating temperature range [°C]	Room temp.-510
Temperature display	LED
Temperature display accuracy [°C]	±0.1
Safety temperature [°C]	50-550
External temperature sensor	PT1000
Control accuracy with external temperature sensor PT1000[°C]	±1
Control accuracy with internal temperature sensor PT1000[°C]	±1(<100°C), 1%(≥100°C)
Hot surface warning	50°C
Time display	LED
Time range	0-99h59m
Dimensions [W x D x H, mm]	220 x 350 x 100
Protection class according to DIN EN60529	IP42
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity	80%
Voltage [VAC]	200-240/100-120
Frequency [Hz]	50/60
Power [W]	1050

5 INCH LED DIGITAL MAGNETIC HOTPLATE STIRRER

Features:

- LED digital display for easy reading
- Hot surface warning to prevent burns
- High safety and strong stirring performance
- 3D digital wheel adjustment of speed and temperature
- Brushless DC motor is maintenance free and explosion proof
- Temperature is up to 310°C and the safety temperature is 50-320°C
- Double internal temperature sensor PT1000 and one external PT1000
- Enclosed heating plate design reduces the risk of liquid splashing into the equipment
- Optimized PID program control provides extremely high accuracy of temperature and speed
- Automatically identifies temperature sensor PT1000 and transfer to PT1000 operation mode
- Stainless Steel with ceramic coated heating plate allows for optimum heat transfer and easy to clean



MI0102003



Features:

- LED digital display for easy reading
- 3D digital wheel adjust the speed and temperature
- Temperature is up to 280°C and the safety temperature is 50-320°C
- Special plastic casing is high-temperature resistant and strong flame-retardant
- Stainless steel with ceramic coated hotplate allows for immediate heat transfer
- Automatically identifies temperature sensor PT1000 and transfer to PT1000 operation mode

5 INCH MAGNETIC HOTPLATE STIRRER



MI0102010

Features:

- Hot surface warning to prevent burns
- High safety and strong stirring performance
- Double internal temperature sensor PT1000
- 3D digital wheel adjustment of speed and temperature
- Brushless DC motor is maintenance-free and explosion-proof
- Temperature is up to 310°C and the safety temperature is 50-320°C
- Enclosed heating plate design reduces the risk of liquid splashing into the equipment
- Optimized PID program control provides extremely high accuracy of temperature and speed
- Stainless Steel with ceramic coated heating plate allows for optimum heat transfer and easy to clean

SPECIFICATIONS:

Model	MI0102002	MI0102003	MI0102010
Stirring position	1	1	1
Set-up plate dimensions [mm]	Ø 135	Ø 135	Ø 135
Set-up plate material	Stainless Steel with ceramic coated	Stainless Steel with ceramic coated	Stainless Steel with ceramic coated
Motor type	Brushless DC motor	DC motor	Brushless DC motor
Max. stirring quantity [H₂O, L]	20	5	20
Max. stirring bar [L x Φ, mm]	55*10	55*10	55*10
Motor rating input [W]	30	3	30
Motor rating output [W]	20	2.5	20
Speed range[rpm]	50-1500	100-1500	50-1500
Speed display	LED	LED	Scale
Heating output [W]	600	600	600
Heating temperature range	Room temp.-310°C	Room temp.-280°C	Room temp.-310°C
Temperature display	LED	LED	Scale
Temperature display accuracy	±0.1	±0.1	/
Safety temperature [°C]	50-320	50-320	50-320
External temperature sensor	PT1000	/	/
Control accuracy with external temperature sensor PT1000[°C]	±1	±1	/
Hot surface warning	50°C	50°C	50°C
Permissible ambient temperature [°C]	5 - 40	5 - 40	5 - 40
Permissible relative humidity	80%	80%	80%
Protection class according to DIN EN 60529	IP 42	IP 42	IP 42
Voltage [VAC]	200-240/100-120	200-240/100-120	200-240/100-120
Frequency [Hz]	50/60	50/60	50/60
Power [W]	650	630	650
Dimensions [W x D x H, mm]	250 x 148 x 85	268 x 160 x 85	250 x 148 x 85
Weight [kg]	1.9	1.8	1.9

5 INCH LED DIGITAL MAGNETIC HOTPLATE STIRRER



Features:

- Hot surface warning to prevent burns
- Only 1 second required to heat up to 5 °C
- Touch key is more smart and user-friendly
- Wear-free running provides longer life time
- LED display offers easy reading of the speed and temperature
- Temperature is up to 310 °C and the safety temperature is 50 - 310 °C
- No risk of demagnetization of the permanent magnet as the traditional design
- No concern about the mechanical wear and noise of the motor as the traditional design
- Glass ceramic working plate is waterproof; strong acid and alkali resistant and very easy to clean
- Pioneering and patented design of electromagnetism-driven mechanism and Nano heating technology
- Heating efficiency is 20% higher than the regular stainless steel plate and aluminum plate and longer service life of more than 20000 times



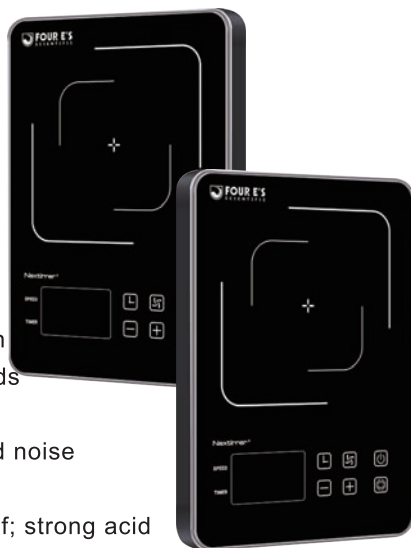
SPECIFICATIONS:

Model	MI0102012
Set-up plate dimensions	5 Inch
Set-up plate material	Glass Ceramics
Stirring Mechanism	Electromagnetism drive
Max. stirring quantity [H₂O]	5000mL
Speed range	50-1500 rpm
Speed display	LED
Temperature display	LED
Temperature display accuracy	±0.1°C
Temperature range	Tem-310°C
Safety Temperature	50-310°C
External temperature sensor	PT1000
Control accuracy with external temperature sensor PT1000	±1°C
Hot surface warning	50°C
Permissible ambient temperature	5-40°C (in the operation)
Permissible relative humidity	0.8
Protection class according to DIN EN 60529	IP61
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Heating Output [W]	750
Dimensions	232x312x45
Weight[kg]	1.7

5 INCH LED DIGITAL MAGNETIC STIRRER

Features:

- Max stirring quantity (H₂O) is 5000mL
- Wide speed range from 50 to 1500rpm
- Touch key is more smart and user-friendly
- Wear-free running provides longer life time
- LED display offers easy reading of the speed and time
- Pioneering and patented design of electromagnetism-driven mechanism
- No risk of demagnetization of the permanent magnet as the traditional design
- Automatic reverse rotation every 30 seconds allows excellent mixing performance
- No concern about the mechanical wear and noise of the motor as the traditional design
- Tempered glass working plate is waterproof; strong acid and alkali resistant and very easy to clean



SPECIFICATIONS:

Model	M10102011
Set-up plate dimensions	5 Inch
Set-up plate material	Tempered glass
Stirring Mechanism	Electromagnetism drive
Max. stirring quantity [H ₂ O]	5000mL (3000mL at 1500rpm)
Speed range	50-1500
Speed display	LED
Time display	LED
Time range	0-99H99Min
Permissible ambient temperature [°C]	5 - 40 °C (in the operation)
Permissible relative humidity	80%
Protection class according to DIN EN 60529	IP65
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	25
Dimensions	172x247x30mm
Weight [kg]	1.627

ULTRA-FLAT MINI MAGNETIC STIRRER

Features:

- Speed range of 15-1500rpm
- Max stirring quantity [H₂O] of 1000ml
- Touch key is more user-friendly and durable
- OLED display provides easy reading of the speed and time
- Automatic reverse rotation every 30 seconds provides excellent mixing performance
- The most advanced magnetic coil technology allows for wear-free drive without moving parts
- Special black tempered glass set-up plate is waterproof, shatterproof; very easy to clean and dissipates heat



Waterproof



Shatterproof



Easy to Clean



Dissipates Heat
Quickly

SPECIFICATIONS:

Model	MI0102001D
Stirring positions	1
Working plate material	Tempered glass
Speed range [rpm]	15-1500
Display	OLED
Max. stirring quantity [H ₂ O, ml]	1000
Motor rating input [W]	5
Motor rating output [W]	3
Max. stirring bar [mm]	25
Set-up surface [mm]	Φ100
Permissible ambient temperature[°C]	5-40
Permissible relative humidity	80%
DIN EN60529 protection class	IP65
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Input power [W]	6
Dimension [W x D x H, mm]	117 x 12 x 180
Weight [kg]	0.3

MINI MAGNETIC STIRRER

Features:

- Speed range of 15-1500rpm
- Slip-proof and stable stand
- High IP protection class (IP65)
- Automatic reverse rotation for excellent mixing performance
- Set-up plate and casing are made from chemically resistant materials



SPECIFICATIONS:

Model	MI0102001
Rated voltage [VAC]	100-240
Rated frequency [Hz]	50-60
Output voltage [VDC]	12
Output power [W]	Min.3
Stirring mechanism	coil drive
Speed range [rpm]	15-1500
Stirred quantity (max) [ml]	800
Operating time [%]	100
Protection class	II
Pollution degree	2
Overvoltage category	II
EN 60529 protection class	IP65
Ambient humidity (relative) [%]	80
Ambient temperature [°C]	5-40 (in the operation)
Transport temperature [°C]	-25 to +70
Storage temperature [°C]	-10 to +70
Material	Front membrane sheet Polyester
Weight [kg]	0.35
Installed weight (max) [kg]	2
Set-up surface [mm]	Φ100
Dimensions (W x D x H) [mm]	115x175x12

5 INCH LED DIGITAL MAGNETIC STIRRER

Features:

- Speed range is 50-1500rpm
- LED digital display for easy setting and reading
- Stainless Steel with ceramic coated working plate is chemical-resistant and scratch-resistant
- 3D digital wheel adjustment of speed and temperature
- Digital process timer allows for unsupervised operation and can be set from 1min to 99h59min
- Brushless DC motor is maintenance-free and explosion-proof



SPECIFICATIONS:

Model	MI0102008
Stirring positions	1
Set-up plate dimensions [mm]	Ø 135
Set-up plate material	Stainless Steel with ceramic coated
Motor type	Brushless DC motor
Max. stirring quantity [H ₂ O, L]	20
Max. stirring bar [L x Φ , mm]	55*10
Motor rating input [W]	30
Motor rating output [W]	20
Speed range [rpm]	50-1500
Speed display	LED
Time display	LED
Time range	1min - 99h59min
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class according to DIN EN 60529	IP 42
Voltage [VAC]	200-240/100-120
Frequency [Hz]	50/60
Power [W]	40
Dimensions [W x D x H, mm]	250 x 148 x 85
Weight [kg]	1.7