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NEW

DMS5-340/
DMS5-340M

Heated Magnetic Stirrer



Features

- Ceramic coated aluminium disc surface for corrosion resistance and easy cleaning.
- The corrosion-resistant all-metal housing provides good heat dissipation and reliable fire protection.
- Selected high-temperature resistant strong magnetic magnet, strong stirring, suitable for viscous liquid stirring.
- DMS5-340 powerful parallel magnetic field, any position of the disc, the magnetic field strength is uniform, suitable for parallel reaction; DMS5-340M strong magnetic field, suitable for viscous samples.
- High protection classIP41.
- Heating modes are divided into: A rapid heating mode, B standard heating mode, C stable heating mode, to meet different customer needs.
- Safety lock to prevent accidental change of operation.
- Buzzer: When the machine malfunctions, or the timer function counts down to the end of the buzzer will emit a "drip drip drip" sound.
- Heat warning function: when the disc temperature is higher than 50 °C, turn off the heating, the screen will have "HOT" flashing tips, even if you turn off the power, the display is still "HOT" flashing to remind the high temperature.
- Two independent safety circuits are designed to continuously monitor the equipment. When overheating occurs, the sensor fails, the machine reports an error and stops heating, and when the line is short-circuited, the machine automatically cuts off the power supply to protect the operator's safety.
- DC brushless motor, no spark, long life; low noise, maintenance-free, smooth running.
- LCD displays RPM, time and temperature parameters in an intuitive and clear manner.
- Timing function, timing range 1min-99h59min, countdown to the end of the stop heating, will not stop stirring, so as not to heat damage to the sample.
- Remote control function with PC connection.
- A wide range of accessories and complete, suitable for colleges and universities, scientific research, enterprises and other professional chemical synthesis laboratory.
- Safety temperature can be set.

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Specifications	DMS5-340	DMS5-340M	DMS5
Work plate Dimension [W x D]	Ø135mm（5 inches）	Ø135mm（5 inches）	Ø135mm（5 inches）
Work plate material	Aluminum with ceramic coating	Aluminum with ceramic coating	Aluminum with ceramic coating
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring positions	1	1	1
Max. stirring quantity, [H_2O]	20L	20L	20L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	50-1500rpm，resolution 1rpm	50-1500rpm，resolution 1rpm	50-1500rpm，resolution 1rpm
Speed display	LCD	LCD	LCD
Temperature display	LCD	LCD	-
Heating temperature range	Room Temp.-340℃，increment 1℃	Room Temp.-340℃，increment 1℃	-
Temperature control accuracy	±1℃(<100℃)±1%(>100℃)	±1℃(<100℃)±1%(>100℃)	-
Overheating protection	420℃	420℃	-
Temperature display accuracy	±0.1℃	±0.1℃	-
External temperature sensor	PT1000(accuracy±0.2℃)	PT1000(accuracy±0.2℃)	-
"Hot" warning	50℃	50℃	-
Data connector	RS232	RS232	RS232
Protection class	IP42	IP42	IP42
Timer function	1min-99h59min	1min-99h59min	1min-99h59min
Motor rating output	10W	10W	10W
Power	650W	650W	30W
Heating output	600W	600W	-
Voltage,Frequency	100-120/200-240V，50/60Hz	100-120/200-240V，50/60Hz	100-240V，50/60Hz
Dimension [WxDxH]	270x175x98mm	270x175x98mm	270x175x108mm
Weight	2.2kg	2.2kg	1.8kg
Permissible ambient temperature and humidity	5-40℃, 80%RH	5-40℃, 80%RH	5-40℃, 80%RH