

DIGITAL MAGNETIC STIRRER WITH HOTPLATE

KHMS-3706

with Extra Large platform 180x180mm

Based on our proven magnetic stirrer series with heating function, the magnetic stirrer was specially developed for applications with heating & stirring together. The Hotplate magnetic stirrer with heating function is ideal for applications up to 20 liters and can gently stir your solution in a speed range of 200 – 1,500 rpm. In addition, the rotation speed ramps up slowly until it has reached the desired value. This prevents splashes, uneven starts, or jumps of the stirring rod. The patented Hotplate made of aluminum with a ceramic coating is chemical-resistant, scratch-resistant and has large square platform of 180mm. This unique size makes it suitable for use with many accessories and samples on a small footprint.



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FEATURES

1. Magnetic stirrer suitable for unsupervised operation, with new stir technology
2. Automatic judgment stirring bar displacement and capture
3. Hotplate with stainless steel surface or porcelain enamel surface with excellent chemical resistance
4. Easy-to-read backlit LCD display
5. Fuzzy logic control microprocessor technology guarantee maximum control accuracy
6. Multiple modes ensure the stirring function not change due to external factors With the control of safe temperature suitable for unsupervised operation 2 adjustable safety circuits ,separateness temperature sensor, protection temperature can be set
7. Temperature sensor for heat transfer fluid and medium available (PT1000)
Warning display indicating presence of any residual heat when the unit is switched off
8. PC control via RS232 interface
9. Extra Large platform 180x180mm

TECHNICAL SPECIFICATION

Dimension [mm]	390*300*230
Voltage [VAC]	110/220
Stirring point position quantity	1
Max. stirring quantity (H2O) [L]	20 Litre
Stirring point position quantity [mm]	80
Motor type brushless motor	Yes
Motor rating input [W]	18 Motor rating output [W: 10]
Speed range [rpm]	200-1500
Speed display	LCD
Speed display accuracy [rpm]	1
Material	Ceramic
Dimension of Platform [mm]	180*180
Heating power [W]	500
Heat rate	1L (water) [K/min]
Heating Temperature Range [°C]	RT-500
Temperature display	LCD
Temperature display accuracy [°C]	0.1
Control accuracy of heating temperature [°C]	1
Temperature sensor of extra position PT100	Optional
Control accuracy of heating temperature with temperature sensor [°C]	0.2
Permissible ambient temperature [°C]	5-40
Permissible ambient humidity	80% Protection class acc. to DIN EN60529 IP42
RS232 interface	Yes