MAGNETIC STIRRER

PCE-MSR 30



- **Stirring speed adjustable from 100 ... 1,600 rpm adjustable**
- **For a maximum of 5 liters of liquid**
- **Temperature control: PID method**
- **External temperature sensor**
- **Temperature sensor**
- **Stirring plate temperature: 0 ... 300°C / 32 ... 572°F**
- **Stirring plate with die-cast aluminum surface**
- **Number of stirring positions: 1**
- **Timer: 1 s ... 99 h 59 min**
- **Program mode: up to 6 stirring programs**
- **Power supply: 230V AC, 50/60 Hz**

The magnetic stirrer offers a maximum stirring capacity of 5 liters and a continuously adjustable speed of 100 ... 1600 rpm with a high control accuracy of ±10 rpm. Driven by a brushless motor, the magnetic stirrer ensures reliable and maintenance-free performance. The intelligent PID temperature control enables precise heating in the range from room temperature to 300°C / 572°F. An external temperature sensor also ensures particularly precise control of the medium temperature, while an easy-to-read 3.7-inch LCD display clearly shows all the important parameters.

The robust worktop made of die-cast aluminum with a surface area of 155 x 155 mm / 6.1 x 6.1 in ensures even heat distribution and high resistance to chemical influences. Together with a stirring rod of Ø 8 x 30 mm, the magnetic stirrer is ideal for demanding applications. Functions such as an adjustable direction of rotation, a wide timer range from 1 second ... 99 hours and 59 minutes and the option of saving up to 6 individual stirring programs offer maximum flexibility in everyday laboratory work.

Thanks to the single stirring position, the magnetic stirrer is ideal for precise tasks in chemical syntheses, biological and pharmaceutical processes and materials research. Wherever precise temperature control and uniform stirring are required, this magnetic stirrer impresses with its powerful technology.

Specification

Speed	
Measuring range	100 ... 1600 rpm
Resolution	1 rpm
Accuracy	±10 U/min
Temperature sensor	
Measuring range	-50 ... +300 °C
Resolution	0,1 °C
Accuracy	±0.5°C

General technical data	
Display type	LCD
Display size	3,7 Inch
Dimensions	Stirring plate: 150 x 150 mm Stirring rod: Ø 8 x 30 mm
Performance	550 W
Number of stirring points	1
Drive of the stirring points	Brushless motor
Max. Stirring quantity	5 l
Stirring plate material	Cast aluminium with ceramic coating
Temperature	Stirring plate: 0 ... 300°C / Accuracy: ±3°C
Timer from	1 s
Timer until	100 h
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	230V AC | 50/60 Hz
Connector type	Cold-device plug
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	270 x 180 x 85 mm
Weight	1911 g

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