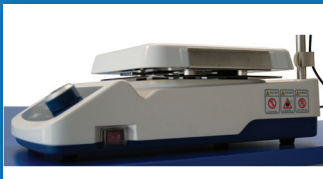


# Magnetic stirrer with hotplate

MSH-500

**NEW**



## Highest performance

- powerful: stirring capacity up to 20 l, temperature up to 500 °C, stirring rate up to 1.500 rpm
- protection against corrosion due to the smart design
- superior heat- and chemical-resistant full ceramic plate
- strong but quiet motor, made for a long life time
- precise temperature by digital feedback control

## Highest convenience

- intuitive and very easy to use control elements
- illuminated digital display for easy setting
- easy to clean full ceramic plate

## Highest user safety

- hot top indicator for temperatures over 50°C
- high quality insulation to protect user and device against heat damage
- two independent internal sensors for accurate temperature and overheating protection

### Protection

Two features protect the device from internal corrosion and prolong its life time: the **closed coverage type** and the **intelligent fluid management system**, which leads off accidentally spilled liquids away from the interior of the device.

### Surface

The **superior full ceramic plate** achieves up to 500°C, is **resistant against aggressive chemicals** and **easy to clean**.

### Housing

The **die-cast case** with **high-quality insulation** ensures **user safety** during operation at high temperatures. The **minimized heat transfer** from the plate to the inside also ensures a **longer life time**.

### Temperature control & safety

Two independent internal temperature sensors assure accurate temperature control and prevent from malfunction or danger caused by overheating.



### Accessories

The **external temperature sensor** allows accurate temperature due to digital feedback control system.

### Motor

The **brushless shade motor** ensures **strong and precise stirring**, **minimized noise** and a **long life time**. Due to the high-performance magnet, up to 20 l of water can be stirred easily.

### Safety first

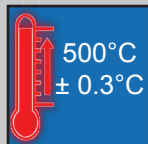
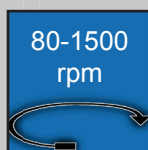
**Hot top indicator lamp** illuminates when temperature on the plate is over 50°C.

### Controller

New **Jog-Dial “Turn + Push”** and **touch button** are designed for **intuitive, easy and direct use**.

# Magnetic stirrer with hotplate

digital, up to 500°C, 80-1,500 rpm, solid ceramic plate 200x200 mm



MSH-500 Set

Stirrer bar included

## MSH-500 digital, 500°C

### Ideal for:

- mixing of chemical, laboratory and pharmaceutical materials
- heat-sensitive procedures in microbiology and biochemistry
- sample drying and general lab heating applications where high temperature is needed

### Features:

- new design: lighter and more compact than the previous model
- digital display with backlight
- high-quality solid ceramic plate 200x200 mm, up to 500°C
- heat-, chemical- and acid-resistant
- shade motor for 80-1,500 rpm
- enormous strength of magnet
- perfect heat uniformity from the inner to the edge
- no liquid can get into the body
- powder-coated aluminium body
- 30 mm stirrer bar included
- CE certified and unique serial number for tracing

### Safety mechanism:

- hot top indicator lamp
- ideal fourfold insulation: BTU, ceramic paper and 2 x SUS
- timer 99h 59min with timer-end signal
- error status and locking mode
- operation LEDs

### Controller:

- **Jog-Dial** controller with touch-button for precise temperature control

Model	MSH-500
Body	powder-coated aluminium
Plate	solid ceramic plate, 200x200 mm
Stirring capacity	max. 20 l
Speed & control resolution	80 - 1,500 rpm, 5 rpm
Temperature range & accuracy	max. 500°C, ±0.3°C
Temperature resolution	0.1°C display, 0.5°C control
Temperature uniformity	specialy designed heating module: temperature difference less than 10%
Heating power / consumption	850W
Timer & alarm	99hr 59min (with continuous run), error status and timer-end
Display	digital LCD with backlight function
Controller	digital feedback controller with Jog-Dial (Turn+Push) and Touch-button
Safety circuit	overheat protection, hot top indicator LED lamp
Stirring bar	30 mm bar included, usable up to 50 mm bar
Permissible temperature & RH %	ambient temperature +5 ~ 50°C, 85% RH
Dimension & weight	220 x 332 x 144, 3.8 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz
Order number 230V	Unit: DH.WMH00500   Set: DH.WMH01500
Order number 120V	Unit: DH.WMH00501   Set: DH.WMH01501

Set includes: Unit MSH-500D  
 Temperature probe Ø4xL250 mm, cable length: 190 mm  
 Stand rod Ø12xL450 mm with thread, stainless steel  
 Holder / clamp / clip for fixation of temperature probe

Accessories: External temperature probes, stand rod, stirring bars and holder / clamp / clip on page 27