

## Hei-PLATE Mix 'n' Heat Core+

P/N: 506-21100-00



Stirring and heating with Pt1000 - Simple and precise

Hei-PLATE Mix 'n' Heat Core+ is the classic among magnetic stirrers. It enables users to stir gently up to 1,400 rpm and also to heat - with a high degree of precision - up to a temperature of 300 °C. In addition, it convinces with its robust design and its sophisticated functionalities, such as its key and knob illumination, which provides information about active functions at any time. The dynamic rotary knobs respond to turning speed - slow for precise adjustments, or fast for bigger jumps. The locking function protects against accidental changing of the values. That's what it means: "Research made easy!"

This magnetic stirrer is equipped with the most important safety features. The large safety distance between the heating plate and the control panel, as well as the visual residual heat indicator at temperatures > 50 °C, protect against burns. A carrying aid on the underside ensures safe transport.

The patented Kera-Disk® plate made of anodised aluminum is chemical-resistant, scratch-resistant and has a diameter of 145 mm (also available with 135 mm on request). Thus, with this unique size, it is suitable for the use of many accessories and samples on a small footprint. The

material used also enables the fastest heating times.

The magnetic stirrer Hei-PLATE Mix 'n' Heat Core+ offers you a digital display for setting your desired temperature to the degree. This precise temperature without overshooting is controlled by two selectable heating modes (FAST/PRECISE) and the optional external temperature sensor Pt1000.

## Hei-PLATE Mix 'n' Heat Core+ - Technical Data

|   |   |
|---|---|
| Overheat protection                       | –   |
| Analog / digital interface                | –   |
| Permissible ambient conditions            | 5 – 31 °C up to 80 % rel. humidity, 32 – 40 °C up to 50 % rel. humidity (decreasing linearly) |
| Weight                                    | 3 kg  |
| Protection class IEC 60529                | IP 42   |
| Drive                                     | EC-motor  |
| Timer                                     | –   |
| Display                                   | LCD-Display   |
| Rotation speed range                      | 100 – 1.400 rpm   |
| Max. stirring capacity (H <sub>2</sub> O) | 20 l  |
| Power input                               | 825 W   |
| Temperature range                         | 20 – 300 °C   |
| Dimensions (w/d/h)                        | 168 x 299 x 101 mm  |
| Speed accuracy                            | ± 2 %   |
| Heating power                             | 800 W   |
| Accuracy temperature setting              | ± 1 K   |
| External temperature sensor               | Pt1000  |
| Temperature accuracy hotplate             | ± 5 °C  |
| Residual heat indicator                   | Yes   |
| Max. Load                                 | 25 kg   |
| Plate diameter ø                          | 135/ 145 mm   |
| Plate material                            | Kera-Disk® (Silumin with ceramic coating)   |
| Operating Mode                            | continuous  |
| Overvoltage Category                      | II  |
| Connection                                | L + N + PE  |
| Acoustic pressure                         | < 50 dB (A)   |

|                             |            |
|-----------------------------|------------|
| Heating control             | PID        |
| Max. height above sea level | 2,000 m    |
| EMC class                   | B, Group 1 |
| Protection class IEC 61140  | I          |