Hei-Plate Mix' n' Heat Core + (145mm)115V P/N: 036110210





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.

The patented Kera-Disk[®] plate made of anodised aluminum is chemical-resistant, scratchresistant 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 + (145mm)115V - Technical Data

Analog / digital interface-Permissible ambient conditions\$ - 31 °C up to 80 % rel. humidity, 32 - 40 °C up to 50 % rel. humidity (decreasing linearly)Weight3 kgProtection class IEC 60529IP 42DriveEC-motorTimer-DisplayLCD-DisplayRotation speed range100 - 1.400 rpmMax. stirring capacity (HS O)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature sensorP11000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/ 145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL + N + PEAcoustic pressure< 50 dB (A)	Overheat protection	_
up to 50 % rel. humidity (decreasing linearly)Weight3 kgProtection class IEC 60529IP 42DriveEC-motorTimer-DisplayLCD-DisplayRotation speed range100 - 1.400 rpmMax. stirring capacity (HNO)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL+N + PE	Analog / digital interface	_
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DriveEC-motorTimer-DisplayLCD-DisplayRotation speed range100 - 1.400 rpmMax. stirring capacity (HRO)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/ 145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIL+N+PEL+N+PE	Weight	3 kg
Timer-DisplayLCD-DisplayRotation speed range100 - 1.400 rpmMax. stirring capacity (HNO)20 IPower input825 WTemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/ 145 mmPlate materialcontinuousOvervoltage CategoryIIConnectionL+ N+ PE	Protection class IEC 60529	IP 42
DisplayLCD-DisplayRotation speed range100 - 1.400 rpmMax. stirring capacity (HMO)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter Ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL + N + PE	Drive	EC-motor
Rotation speed range $100 - 1.400 \text{ rpm}$ Max. stirring capacity (H \boxtimes O) 20 I Power input 825 W Temperature range $20 - 300 ^\circ\text{C}$ Dimensions (w/d/h) $168 \times 299 \times 101 \text{ mm}$ Speed accuracy $\pm 2 ^{\circ}$ Heating power 800 W Accuracy temperature setting $\pm 1 \text{ K}$ External temperature setting $\pm 1 \text{ K}$ External temperature setting $\pm 5 ^\circ\text{C}$ Residual heat indicatorYesMax. Load 25 kg Plate diameter \emptyset $135/145 \text{ mm}$ Plate materialKera-Disk \circledast (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL + N + PE	Timer	_
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Power input825 WPemperature range20 - 300 °CDimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter Ø135/ 145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIL + N + PE	Rotation speed range	100 – 1.400 rpm
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Dimensions (w/d/h)168 x 299 x 101 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL + N + PE	Power input	825 W
Speed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 KExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIILL + N + PE	Temperature range	20 – 300 °C
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External temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter ø135/ 145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIILondL + N + PE	Heating power	800 W
Temperature accuracy hotplate± 5 °CResidual heat indicatorYesMax. Load25 kgPlate diameter Ø135/ 145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIL + N + PE	Accuracy temperature setting	± 1 K
Residual heat indicatorYesMax. Load25 kgPlate diameter Ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL + N + PE	External temperature sensor	Pt1000
Max. Load25 kgPlate diameter Ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL+N+PE	Temperature accuracy hotplate	±5°C
Plate diameter ø135/145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL+N+PE	Residual heat indicator	Yes
Plate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinuousOvervoltage CategoryIIConnectionL+N+PE	Max. Load	25 kg
Operating ModecontinuousOvervoltage CategoryIIConnectionL+N+PE	Plate diameter ø	135/ 145 mm
Overvoltage CategoryIIConnectionL+N+PE	Plate material	Kera-Disk® (Silumin with ceramic coating)
Connection L + N + PE	Operating Mode	continuous
	Overvoltage Category	
Acoustic pressure < 50 dB (A)	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	