Hei-Tec

P/N: 505-30000-00





Stirring and heating with Pt1000

Hei-Tec is the classic model among magnetic stirrers. It enables users to gently stir up to 1,400 rpm and to heat up to a temperature of 300°C with a high degree of precision. These features, along with its robust construction and sophisticated functionalities such as key illumination, encompass our mantra of "Research made easy!"

The patented Kera-Disk[®] footprint made of anodized aluminum, is chemically resistant, scratch-proof, and has a diameter of 145 mm. This unique size makes it suitable for use with many accessories and samples on a small footprint. The material used also enables the fastest heating times.

The Hei-Tec magnetic stirrer provides a digital display for setting your desired temperature exactly 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-Tec - Technical Data

Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 2.9 kg Protection class DIN EN 60529 IP 32 Drive EC-motor Timer - Display Max. stirring capacity (H®O) Dimensions (w/d/h) T73 x 277 x 94 mm Speed accuracy 42 % Heating power Hotplate temperature 20 - 300 °C Medium temperature setting ±1 °C External temperature setting ±1 °C External temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate Max. Load 25 kg Power consumption 820 W Plate diameter Ø 145 mm	Analog / digital interface	-
Protection class DIN EN 60529 IP 32 Drive EC-motor Timer - Display digital Rotation speed range 100 - 1,400 rpm Max. stirring capacity (HNO) 20 I Dimensions (w/d/h) 173 x 277 x 94 mm Speed accuracy ±2 % Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1 °C External temperature accuracy with external temp. ±1 °C sensor Pt1000 Temperature accuracy with external temp. ±5 °C sensor breakage protection With Pt1000 Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Permissible ambient conditions	decreasing linearly up to max. 50 % rel.
Drive EC-motor Timer - Display digital Rotation speed range 100 - 1,400 rpm Max. stirring capacity (HRO) 20 I Dimensions (w/d/h) 173 x 277 x 94 mm Speed accuracy ±2 % Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1 °C External temperature sensor Pt1000 Temperature accuracy with external temp. ±1 °C sensor Sensor breakage protection With Pt1000 Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 kg Power consumption 820 W	Weight	2.9 kg
Timer - Display digital Rotation speed range 100 - 1,400 rpm Max. stirring capacity (H®O) 20 I Dimensions (w/d/h) 173 x 277 x 94 mm Speed accuracy ±2 % Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1 °C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Protection class DIN EN 60529	IP 32
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Dimensions (w/d/h) Speed accuracy #2 % Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting #1 °C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate #5 °C Residual heat indicator yes Safety circuit hotplate Max. Load 25 kg Power consumption 820 W	Rotation speed range	100 - 1,400 rpm
Speed accuracy ±2 % Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1 °C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Max. stirring capacity (HIIO)	20
Heating power 800 W Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1 °C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Dimensions (w/d/h)	173 x 277 x 94 mm
Hotplate temperature 20 - 300 °C Medium temperature, max. 250 °C Accuracy temperature setting ±1°C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Speed accuracy	±2 %
Medium temperature, max. 250 °C Accuracy temperature setting ±1°C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Heating power	800 W
Accuracy temperature setting ±1°C External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Hotplate temperature	20 - 300 °C
External temperature sensor Pt1000 Temperature accuracy with external temp. sensor Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Medium temperature, max.	250 °C
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Sensor breakage protection With Pt1000 Temperature control Micro controller Temperature accuracy hotplate ±5 °C Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	External temperature sensor	Pt1000
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Residual heat indicator yes Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Temperature control	Micro controller
Safety circuit hotplate 25 °C over hotplate temperature Max. Load 25 kg Power consumption 820 W	Temperature accuracy hotplate	±5 °C
Max. Load 25 kg Power consumption 820 W	Residual heat indicator	yes
Power consumption 820 W	Safety circuit hotplate	25 °C over hotplate temperature
<u>'</u>	Max. Load	25 kg
Plate diameter ø 145 mm	Power consumption	820 W
	Plate diameter ø	145 mm

Premium Laboratory Equipment

Plate material	Kera-Disk® (Silumin with ceramic coating)
Operating Mode	continous
Smooth start	yes