Hei-Connect P/N: 505-40000-00





Stirring and heating with full control

In our proven Hei-PLATE magnetic stirrer line, the Hei-Connect combines gentle stirring (up to 1,400 rpm) with a precise heating function (up to 300 °C). Unique in its robust design and secure functionality, this model stands out with additional features giving you complete control and an easy, accurate documentation of your process parameters.

The unique Kera-Disk[®] footprint 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 anodized aluminum from which it is made enables the fastest possible heating times.

The Hei-Connect 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.

To facilitate process control and documentation, the Hei-Connect is equipped with a timer and an RS 232 interface. The free Hei-Control Software is included in the scope of delivery.

Hei-Connect - Technical Data

Analog / digital interfacedigital (RS 232)Permissible ambient conditions5 - 31 °C up to 80 % rel. humidity, 32 - 40 °C up to 50 % rel. humidity (decreasing linearly)Weight2.9 kgProtection class IEC 60529IP 32DriveEC-motorTimeryesDisplaydigitalRotation speed range100 - 1,400 rpmMax. stirring capacity (HRO)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL + N + PEAcoustic pressure<70 dB (A)	Overheat protection	no, but error message
up to 50 % rel. humidity (decreasing linearly)Weight2.9 kgProtection class IEC 60529IP 32DriveEC-motorTimeryesDisplaydigitalRotation speed range100 – 1.400 rpmMax. stirring capacity (HNO)201Power input825 WTemperature range20 – 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature setting± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category–ConnectionL+ N+ PE	Analog / digital interface	digital (RS 232)
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DisplaydigitalRotation speed range100 - 1,400 rpmMax. stirring capacity (HINO)201Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating Mode-Overvoltage Category-ConnectionL + N + PE	Drive	EC-motor
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Max. stirring capacity (HIIO)20 IPower input825 WTemperature range20 - 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating Mode-Overvoltage Category-L + N + PE-	Display	digital
Power input825 WTemperature range20 - 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating Mode-ConnectionL + N + PE	Rotation speed range	100 – 1,400 rpm
Temperature range20 - 300 °CDimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating Mode-ConnectionL + N + PE	Max. stirring capacity (HILO)	20
Dimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+ N+ PE	Power input	825 W
Speed accuracy± 2 %Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-L + N + PEL	Temperature range	20 – 300 °C
Heating power800 WAccuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL + N + PE	Dimensions (w/d/h)	173 x 277 x 94 mm
Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Speed accuracy	± 2 %
External temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Heating power	800 W
Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMax. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-L + N + PE	Accuracy temperature setting	±1K with sensor
Residual heat indicatoryesMax. Load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	External temperature sensor	Pt1000
Max. Load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Temperature accuracy hotplate	± 5 °C
Plate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Residual heat indicator	yes
Plate materialKera-Disk® (Silumin with ceramic coating)Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Max. Load	25 kg
Operating ModecontinousOvervoltage Category-ConnectionL+N+PE	Plate diameter ø	145 mm
Overvoltage Category-ConnectionL + N + PE	Plate material	Kera-Disk® (Silumin with ceramic coating)
Connection L + N + PE	Operating Mode	continous
	Overvoltage Category	_
Acoustic pressure < 70 dB (A)	Connection	L + N + PE
	Acoustic pressure	< 70 dB (A)

Heating control	Micro controller
Max. height above sea level	2,000 m
EMC class	-
Protection class IEC 61140	I