Hei-Connect with Pt1000 temperature sensor (V4A)

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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.

• This variant includes the Pt1000 temperature probe

Hei-Connect - Technical Data

Analog / Digital interfacedigital (RS 232)Permissible ambient conditions $$-31$ "C up to 80 % rel. humidity, 32 - 40 °C up to 50 % rel. humidity (decreasing linearly)Weight2.9 kgProtection class (EN 60529)IP 32DriveEC-motorTimeryesDisplaydigitalRotation speed range100 - 1,400 rpmMaximum stirring capacity (H2O)201Power input825Temperature range20 - 300 °CTemperature measurement accuracy-Speed accuracy42 %Heating power800Accuracy temperature sensorP11000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialContinousOperating modecontinousSpeed range145 mmPlate materialKera-Disk@ (Silumin with ceramic coating)Operating mode-Speed range-	Overheat protection	no, but error message
up to 50 % rel. humidity (decreasing linearly)Weight2.9 kgProtection class (EN 60529)IP 32DriveEC-motorTimeryesDisplaydigitalRotation speed range100 - 1,400 rpmMaximum stirring capacity (H2O)201Power input825Temperature range20 - 300 °CTemperature measurement accuracy-Dimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800Accuracy temperature sensorP11000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed rangeides material	Analog / Digital interface	digital (RS 232)
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Power input825Temperature range20 - 300 °CTemperature measurement accuracy-Dimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating mode-Speed range-	Rotation speed range	100 – 1,400 rpm
Temperature range20 – 300 °CTemperature measurement accuracy-Dimensions (w/d/h)173 × 277 × 94 mmSpeed accuracy± 2 %Heating power800Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating mode-Speed range-	Maximum stirring capacity (H2O)	201
Temperature measurement accuracy-Dimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating mode-Speed range-	Power input	825
Dimensions (w/d/h)173 x 277 x 94 mmSpeed accuracy± 2 %Heating power800Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating mode-	Temperature range	20 – 300 °C
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Accuracy temperature setting± 1 K with sensorExternal temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Speed accuracy	± 2 %
External temperature sensorPt1000Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Heating power	800
Temperature accuracy hotplate± 5 °CResidual heat indicatoryesMaximum load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Accuracy temperature setting	±1 K with sensor
Residual heat indicatoryesMaximum load25 kgPlate diameter Ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	External temperature sensor	Pt1000
Maximum load25 kgPlate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Temperature accuracy hotplate	±5°C
Plate diameter ø145 mmPlate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Residual heat indicator	yes
Plate materialKera-Disk® (Silumin with ceramic coating)Operating modecontinousSpeed range-	Maximum load	25 kg
Operating mode continous Speed range -	Plate diameter ø	145 mm
Speed range -	Plate material	Kera-Disk® (Silumin with ceramic coating)
	Operating mode	continous
Overvoltage category –	Speed range	-
	Overvoltage category	_

Connection	L + N + PE
Acoustic pressure	< 70 dB (A)
Heating control	Micro controller
Installation altitude	2,000 m
EMC class	-
Protection class IEC 61140	1
Protection class IEC 60529	-
Usable surface heating plate	-
Degree of pollution	-
Temperature measurement resolution	-
Rated Voltage	-