Hei-VAP Expert Control - hand lift model with G1 diagonal glassware P/N: 573-02100-00



Adds numerous smart features to the Hei-VAP Expert, as well as an overview of all parameters and the current process

- 5" touch display for controlling the entire system including the vacuum and the cooling temperature
- Hand lift model with G1 diagonal glassware
- For precise monitoring, the pictogram on the display also symbolizes active functions
- Separate knobs for quick access: the right one for direct vacuum control, the left one for the rotation
- Setting of values either via the touch display or the separate quick access knobs
- Direct access to two favorites on the start screen
- Expandable solvent library. You can also transfer your own favorites to other devices using a USB stick
- Define and save own evaporation processes (ramps)
- Automatically evaporate with the Dynamic AUTOaccurate Program (DAA). Convenient and customizable: from foam avoidance to highly efficient evaporation
- With USB and Micro SD interface for easy installation of software updates and transfer of individual favorites from one device to another

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Hei-VAP Expert Control - Technical Data

Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity Protection class DIN EN 60529 IP 20 Lift Hand lift Height adjustment speed Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath 255 mm Volume heating bath 4.51 Diameter heating bath 4.51 Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Yes Timer Yes Supply Power 1,400 W Weight without glassware assembly 15 kg	Rotation speed indicator	5" LCD color graphic display
Lift Hand lift Height adjustment speed manual Height adjustment 155 mm Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 2.55 mm Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
Height adjustment speed Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath tolume heating bath Volume heating bath 4.51 Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Protection class DIN EN 60529	IP 20
Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Lift	Hand lift
Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Height adjustment speed	manual
Control Heating capacity Temp. range heating bath 20 – 210 °C Temperature accuracy bath £1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Height adjustment	155 mm
Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control Secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Drive	
Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Heating capacity	1,300 W
Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature with temperature integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Temp. range heating bath	20 - 210 °C
Separate PT 1000 Bath temperature setting 5" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Temperature accuracy bath	±1K
Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Overheat protection bath	
Secondary overtemp. cut off 250 °C Material heating bath Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W	Bath temperature setting	5" LCD color graphic display
Material heating bath Diameter heating bath Volume heating bath Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power Stainless steel AISI 316L 255 mm Vapor temperature Vapor temperature sensor Vapor temperature sensor Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Heating bath temperature control	electronic / digital
Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Secondary overtemp. cut off	250 °C
Volume heating bath Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 4.5 I Yes Vapor temperature sensor Vapor temperature sensor Yes 1,400 W	Material heating bath	stainless steel AISI 316L
Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power Yes 1,400 W	Diameter heating bath	255 mm
Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Volume heating bath	4.5
Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W	Display vapor temperature	Yes
Timer Yes Programmable ramps Yes Supply Power 1,400 W		Vapor temperature sensor
Programmable ramps Yes Supply Power 1,400 W	Integrated vacuum controller	Yes
Supply Power 1,400 W	Timer	Yes
	Programmable ramps	Yes
Weight without glassware assembly 15 kg	Supply Power	1,400 W
	Weight without glassware assembly	15 kg

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Dimensions with glassware set G3 (w/d/h)	739 x 532 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	739 x 532 x 920 mm
Condensing surface	1,400 cm ²
Condensing surface XL condenser	2,200 cm²
Max. size evaporating flask	51
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	Yes
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	Yes
Solvent libary	Yes