## Hei-VAP Expert Control



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
- 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 AUTO<sub>accurate</sub> 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

## Hei-VAP Expert - Technical Data

Permissible ambient conditions  5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity  Protection class IEC 60529  Lift  Hand lift or Motor lift  Height adjustment speed  Hand lift models: manual Motor lift models: 25 mm/s  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  ±1 °C  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 V4A  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  Programmable ramps  Yes  Supply Power  1,400 W	Rotation speed indicator	5" LCD color graphic display
Height adjustment speed Hand lift models: manual Motor lift models: 25 mm/s  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 ±1 °C  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 lntegrated vacuum controller Yes  Timer Yes  Programmable ramps Yes	Permissible ambient conditions	32 - 40 °C decreasing lineary up to max 50%
Height adjustment speed  Hand lift models: manual Motor lift models: 25 mm/s  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  ±1 °C  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  Display vapor temperature  Yes  Required accessories for display vapor temperature  Integrated vacuum controller  Yes  Programmable ramps  Yes	Protection class IEC 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  ±1 °C  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  255 mm  Volume heating bath  4.5 I  Display vapor temperature  Yes  Required accessories for display vapor temperature  Integrated vacuum controller  Yes  Programmable ramps  Motor lift models: 25 mm/s  Hushless DC motor with electronic speed control with electronic speed control  20 - 210 °C   Ves	Lift	Hand lift or Motor lift
Drive brushless DC motor with electronic speed control  Heating capacity 1,300 W  Temp. range heating bath 20 – 210 °C  Temperature accuracy bath ±1 °C  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 V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 I  Display vapor temperature Yes  Required accessories for display vapor temperature yapor temperature  Integrated vacuum controller Yes  Programmable ramps Yes	Height adjustment speed	
Heating capacity  1,300 W  Temp. range heating bath  20 - 210 °C  Temperature accuracy bath  £1 °C  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  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	Height adjustment	155 mm
Temp. range heating bath 20 – 210 °C  Temperature accuracy bath ±1 °C  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 V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 I  Display vapor temperature Yes  Required accessories for display vapor temperature lintegrated vacuum controller Yes  Timer Yes  Programmable ramps Yes	Drive	·
Temperature accuracy bath ±1 °C  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 V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 I  Display vapor temperature Yes  Required accessories for display vapor temperature wapor temperature  Integrated vacuum controller Yes  Timer Yes  Programmable ramps Yes	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  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  Timer  Yes  Programmable ramps  Yes	Temp. range heating bath	20 - 210 °C
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 V4A  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  Programmable ramps Yes	Temperature accuracy bath	±1 °C
Heating bath temperature control electronic / digital  Secondary overtemp. cut off 250 °C  Material heating bath stainless steel V4A  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  Programmable ramps Yes	Overheat protection bath	·
Secondary overtemp. cut off 250 °C  Material heating bath stainless steel V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 l  Display vapor temperature Yes  Required accessories for display vapor temperature sensor  Integrated vacuum controller Yes  Programmable ramps Yes	Bath temperature setting	5" LCD color graphic display
Material heating bath  Diameter heating bath  Volume heating bath  Volume heating bath  Display vapor temperature  Required accessories for display vapor temperature  Integrated vacuum controller  Timer  Yes  Programmable ramps  Stainless steel V4A  255 mm  Vas  4.5 I  Vas  Yes  Yes  Yes  Yes  Yes	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	Secondary overtemp. cut off	250 °C
Volume heating bath  A.5 I  Display vapor temperature  Required accessories for display vapor temperature sensor  Integrated vacuum controller  Yes  Timer  Yes  Programmable ramps  Yes	Material heating bath	stainless steel V4A
Display vapor temperature  Required accessories for display vapor temperature sensor  Integrated vacuum controller  Yes  Timer  Yes  Programmable ramps  Yes	Diameter heating bath	255 mm
Required accessories for display vapor temperature sensor  Integrated vacuum controller  Yes  Timer  Yes  Programmable ramps  Yapor temperature sensor  Yes	Volume heating bath	4.5
Integrated vacuum controller  Yes  Timer  Yes  Programmable ramps  Yes	Display vapor temperature	Yes
Timer Yes Programmable ramps Yes		Vapor temperature sensor
Programmable ramps Yes	Integrated vacuum controller	Yes
	Timer	Yes
Supply Power 1,400 W	Programmable ramps	Yes
	Supply Power	1,400 W

## Premium Laboratory Equipment

Weight without glassware assembly	15 kg
Dimensions with glassware set G3 (w/d/h)	HL: 739 x 532 x 887 mm ML: 739 x 477 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	HL: 739 x 532 x 920 mm ML: 739 x 477 x 920 mm
Condensing surface	1,400 cm <sup>2</sup>
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