HV-25II, HV-50II, HV-85II, and HV-110II
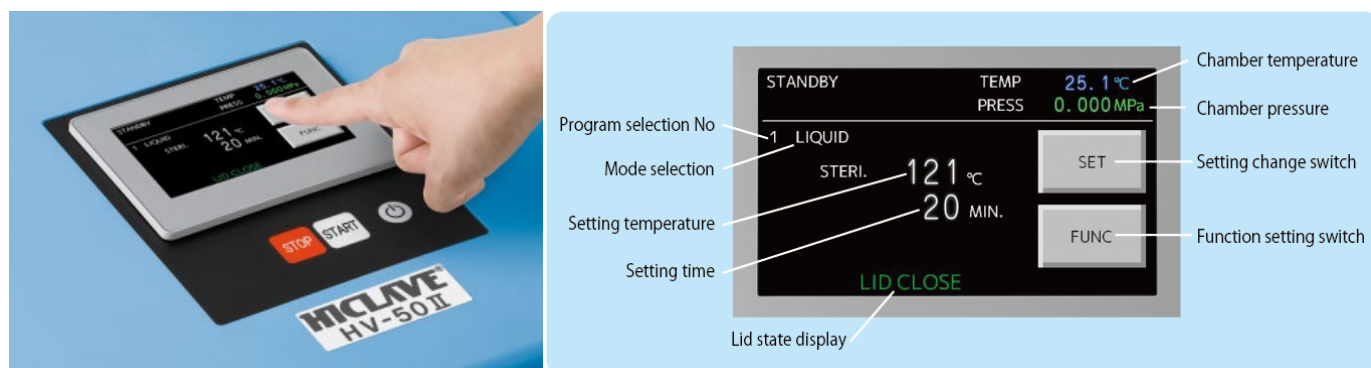
Redesigned with Easy-to-Read and Easy-to-Operate Color LCD Touchscreen

Chamber temperature
Chamber pressure
Program selection No
Mode selection
Setting temperature
Setting time
Setting change switch
Function setting switch
Lid state display

STANDBY   TEMP 25.1℃   PRESS 0.000 MPa
1 LIQUID
STERI. 121 ℃
20 MIN.
SET
FUNC
LID CLOSE

Space-Saving Design with lid opening upward.

Door-Closure Sensor provides a prompt and the cycle will not start unless the door is closed properly.

Special Option: floating (load) sensor to monitor load temperature. Sterilization timer is activated only when the load temperature reaches

Other Options: Digital printer, data logger, cooling fan and auto water suppy unit.

Programmable Auto-Start for initiating a cycle up to 1 week later.

Automatic Air Purging by a microprocessor prevents over-pressurization during a cycle.

In-Process Display shows status and progress of sterilization cycle in real time.

Program up to 40 cycles across 5 different modes (up to 8 programs per mode can be stored).

Waste Sterilization Mode incorporates an additional air removal stage for trash.

Agar Sterilization Mode for sterilizing agar and then automatically maintaining it at liquid temperature.

Agar Melting Mode for rapidly melting agar and maintaining it at liquid temperature, or for a hot and faster start-up.

Maintenance, Safety and Alarms are displayed on the color screen.

Programmable Rate for pulse steam exhaust.

Dual-Sensing Lid Interlock prevents lid opening when chamber is pressurized or when temp. is >97ºC.

Memory Backup System retains user-programmed parameters even in case of power failure.

Passcode Protection prevents parameters from being modified.

Amerex Instruments, Inc.

MODELS: HV-25II, HV-50II, HV-85II, and HV-110II

SPECIFCATIONS	HV-25II	HV-50II	HV-85II	HV-110II
TEMPERATURE				
Operating Range	105ºC to 126ºC	105ºC to 135ºC		
Warming Range	45ºC to 60ºC			
Agar Dissolution	Heating at 60ºC to 100ºC for up to 1 hour (temp. and time programmable), followed by 45ºC to 60ºC (temp. programmable) for up to 20 hours.			
PRESSURE GUAGE				
Digital display	0-0.3MPa			
Analog display	0-0.4MPa			
Maximum Allowable	27 PSI (0.186MPa)		38 PSI (0.255MPa)	
TIMER				
Sterilization	1 to 250 minutes			
Delayed Auto-start	Program autoclave to start 1 minute to 7 days later			
DIMENSIONS				
Overall: (W x D x H)	(19 x 18.5 x 37) in (48 x 47 x 95) cm	(21.6 x 21 x 41) in (55 x 53 x 104) cm	(26.4 x 26 x 40.6) in (67 x 65 x 103) cm	(26.4 x 26 x 48) in (67 x 65 x 121) cm
Chamber: (Diameter x Height)	25 liters (9.4 x 21.6) in (24 x 55) cm	50 liters (11.8 x 28) in (30 x 71) cm	85 liters (16.5 x 24) in (42 cm x 61.5) cm	110 liters (16.5 x 31) in (42 x 79.5) cm
PROGRAMS				
1. For liquids	Heating ➡ Sterilization ➡ Exhaust (ambient cooling or programmable pulse exhaust) ➡ Completion			
2. For solids	Heating ➡ Sterilization ➡ Exhaust (fast) ➡ Completion			
3. For waste	Heating ➡ Sterilization ➡ Additional Air Removal ➡ Exhaust (ambient cooling or programmable pulse exhaust) ➡ Completion			
4. For agar	Heating ➡ Sterilization ➡ Exhaust (ambient cooling or programmable pulse exhaust) ➡ Warming ➡ Completion			
5. For melting agar	Rapid melting at 60ºC to 100ºC (temperature and time programmable) ➡ Maintain at 45ºC to 60ºC (temperature programmable) ➡ Completion			
SAFETY DEVICES	Dual-sensing safety lid interlock. Over-pressure/temperature/lower-water power cutoff, mechanical pressure relief valve, microprocessor-controlled pressure relief valve, lid-closure detector, over-current detector and circuit breaker			
POWER				
Source	120V, 50/60 Hz (220V available)		208V/220V/240V	
Consumption	1500 watts (1500VA)	2000 watts (2000VA)	3000 watts (3000VA)	4000 watts (4000VA)
WARRANTY	Autoclaves are protected by a 12 month limited warranty.			
OPTIONS	1. load sensor 2. digital printer 3. data logger 4. cooling fan 5. automatic water supply unit			

Accessories: Baskets, Pails, Drums, and Round Tube Racks

TÜV SÜD
EN ISO 13485

Amerex Instruments, Inc.
3951C Industrial Way
Concord, California 94520
925.299.0743 / Fax: 925.299.0745
www.amerexinst.com
marketing@amerexinst.com