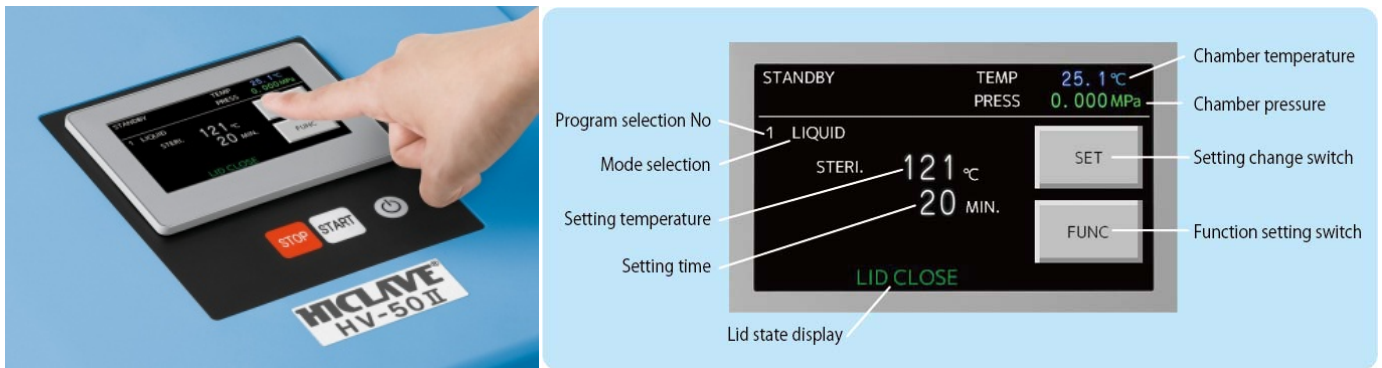


HV-25II, HV-50II, HV-85II, and HV-110II

Redesigned with Easy-to-Read and Easy-to-Operate Color LCD Touchscreen



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 supply 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.

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 >97°C.

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

SPECIFICATIONS	HV-25II	HV-50II	HV-85II	HV-110II
TEMPERATURE				
Operating Range	105°C to 126°C	105°C to 135°C		
Warming Range	45°C to 60°C			
Agar Dissolution	Heating at 60°C to 100°C for up to 1 hour (temp. and time programmable), followed by 45°C to 60°C (temp. programmable) for up to 20 hours.			
PRESSURE GAUGE				
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 60°C to 100°C (temperature and time programmable) → Maintain at 45°C to 60°C (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



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