



HA 1000



**Compact and
Practical Anesthesia
Machine**



HA 1000

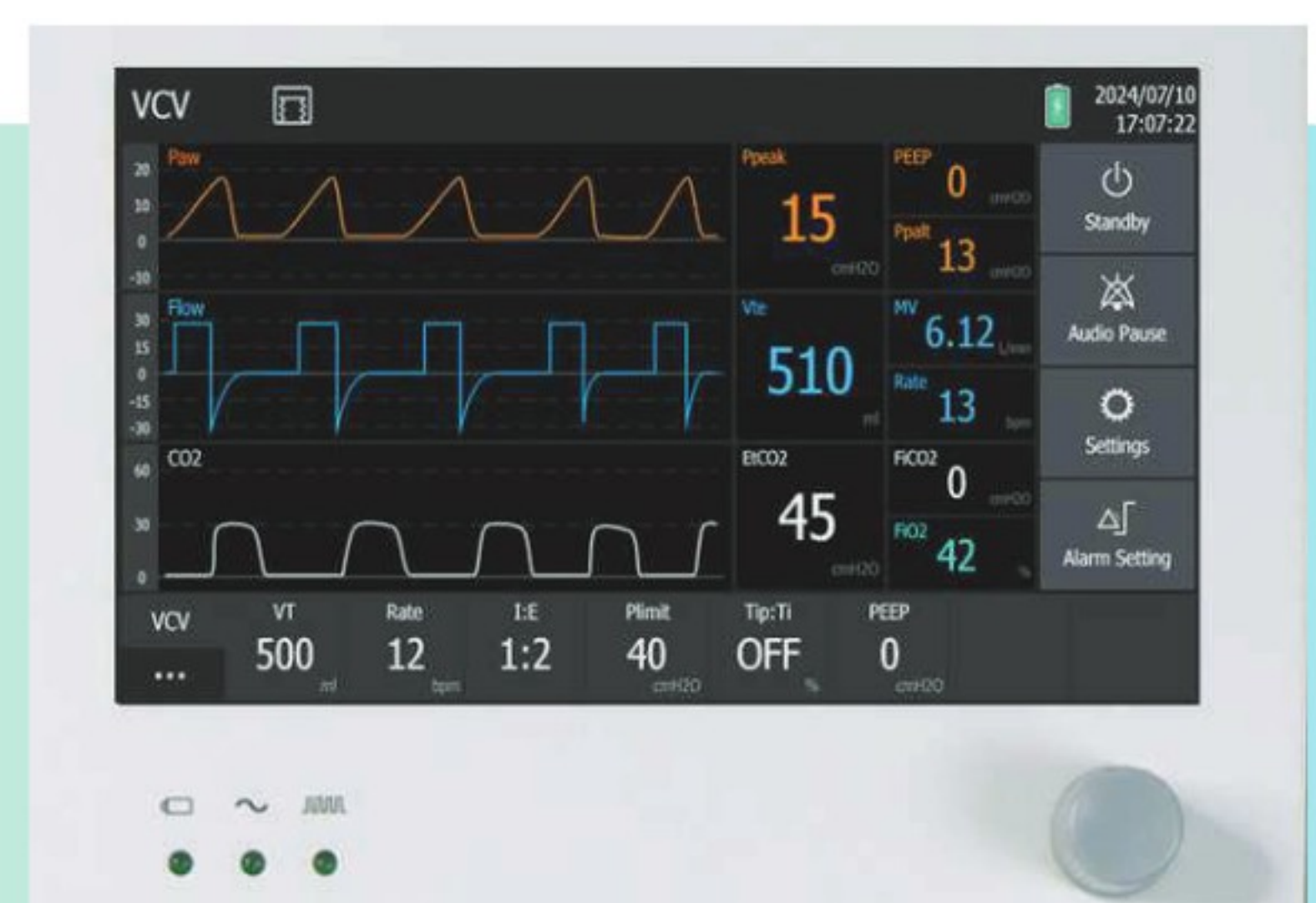
HA1000 incorporates a stable technology platform and ventilation, providing gas delivery and gas monitoring. With a design concept of ease to use, it is easy to operate and satisfies various clinical needs.

More safe and accurate

- HA1000 has a simple design with a high level of integration, making it suitable for the needs of modern operating rooms.
- HA1000 utilizes a real-time feedback system to monitor tidal volume, thereby avoiding errors caused by low sensor monitoring.

Touch-screen, easy to use

- 10.1" touch screen with flat menu design enables users to make adjustments to settings and have a clear view on parameters.
- Waveforms and parameters are displayed in the same time.

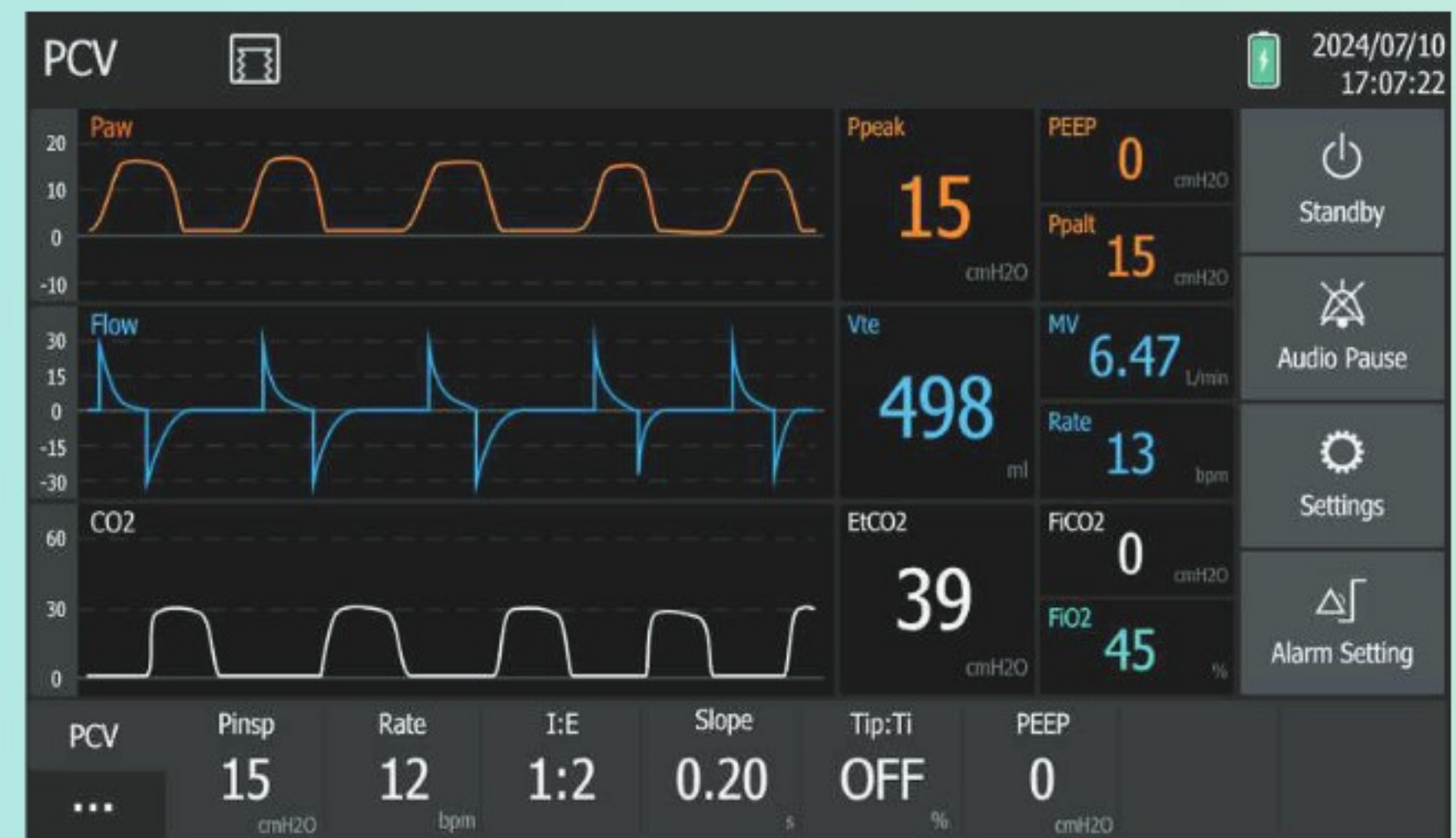
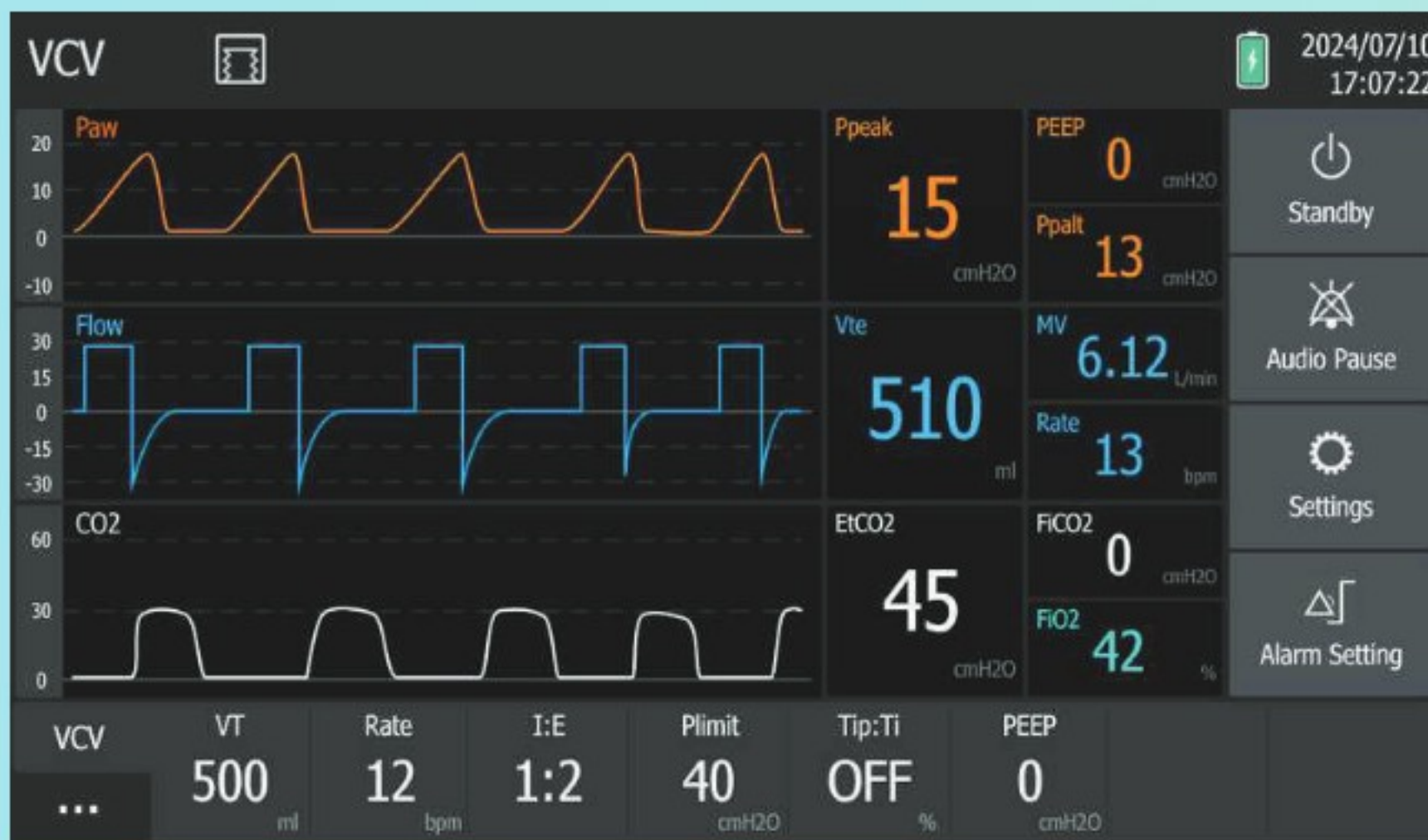


Accurate anesthetic vaporizer

- Flow, pressure and temperature compensation
- Maintenance Free
- Large capacity

High performance ventilation

HA1000 supports a full range of ventilation modes: volume control (VCV), pressure control (PCV) and optional ventilation modes. HA1000 is capable of meeting the anesthesia requirements of different surgical patients, providing them with stable and accurate gas delivery, with a minimum tidal volume of up to 20 ml.



VCV

PCV

SIMV-VC

SIMV-PC

PSV




Integrated heated breathing system

- With a built-in heated module, condensation is reduced to a minimum, which improves flow sensor accuracy.
- The breathing system is 134°C autoclavable for sterilization purpose.
- Bypass function supports canister changing during operation.
- Designed with a concept of ease to use, the heated breathing system is easy to disassemble.
- The screen will display the status of the breathing system to indicate if it is installed in place.

Technical Specifications



	Model No.	HA 1000
	Main Unit	2 Drawers
		10.1 inch color touchscreen
		Mechanical Flowmeters (with hypoxic guard)
		134°C Autoclavable Breathing System
		Frame with Workbench
DIMENSIONS		1320mm (H)* 700mm(W) * 600mm (D), Weight - 100 Kg
Castors		Front Castor wheels with lock
POWER AND BATTERY BACKUP		
Power Input		100-240 V, 50/60 Hz
Operation time with fully charged batteries		upto 90 minutes
GAS SUPPLY MODULE		
Gas Input		O2, N2O ; 280kPa - 600kPa
O2 Flush		25L/Min-75L/Min
Flow meter		4 tubes, cascaded, 0.1 to 15 L/Min (O2 & N2O)
Hypoxic Guard System		O2 concentration not lower than 25%, N2O cut off valve
FiO2 Setting		O2 concentration : 21-100%
VENTILATOR SPECIFICATIONS		
Control Screen		10.1 inch Color touchscreen
Ventilator		Electronically controlled, pneumatically driven
Ventilation Modes		Manual, VCV, PCV
Optional Modes		SIMV-VC, SIMV-PC, PSV
Vt		20-1500ml
Pressure range		5-60 cm H2O
Pressure Trigger (Ptrig)		-20 cm H2O to 0 cm H2O
Rate		1-100bpm (1-40bpm under SIMV)
I:E		4:1-1:8
PEEP		OFF, 4-30 cm H2O
Compensation		Compliance compensation
Capnograph (Optional)		SideStream/MainStream EtCO2 Sensor
Monitoring Parameters		Ppeak, Pmean, PEEP, FiO2, Tidal Volume, MV, Rate, I:E
Alarms		Tidal Volume, Rate, MV, Apnea, FiO2, Airway Pressure
		Oxygen failure, AC Power failure, Battery Low
VAPORIZER		
Type		Isoflurane, Sevoflurane, Desflurane
Mounting Mode		Selectatec type with interlock
Filling type		Pour-fill, Quick-fill
INTEGRATED HEATED BREATHING SYSTEM		Built in with moisture reduction, Autocleavable & Bypass Function
		Volume of CO2, absorber canister: 1600ml
CERTIFICATE		
ISO		ISO 13485:2016

BR/AW/01-01

Specifications are subject to change without prior notice

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