

Heal Force OR Series

ANAESTON Series

Anesthetic Machine



Heal Force leads you to healthier life

ANAESTON 5000 Series

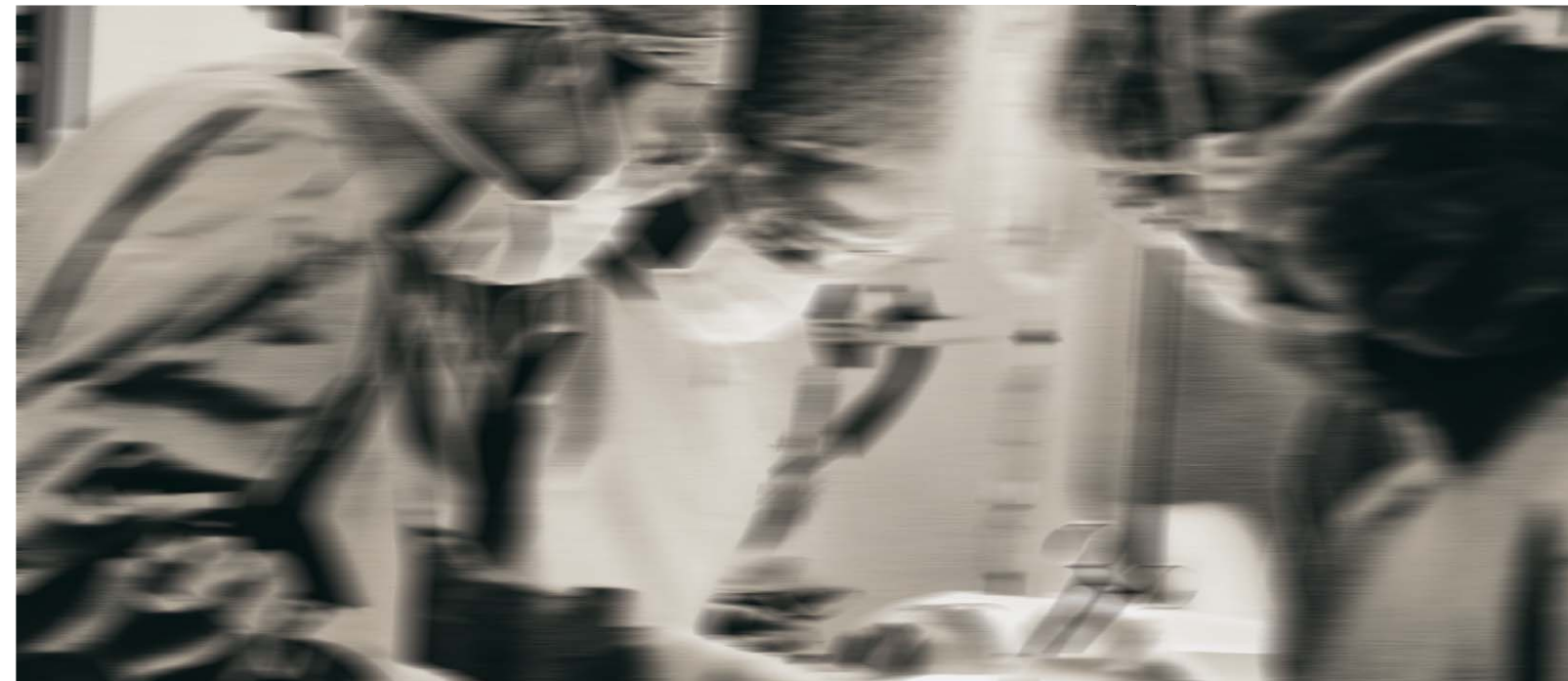
Expert Class Performance

- Single (O₂), double (O₂+N₂O) or triple (O₂+N₂O+air) gas sources models available for option
- Dual flowmeters for each gas source with more precise adjustment for low-flow anaesthesia
- Tidal volume setting from 20 to 1500mL, applicable for adult, pediatric and neonate
- Dynamic tidal volume feedback and compensation with precise control
- Abundant ventilation modes (differed from model to model)
- Double vaporizer positions, compatible with Enflurane, Sevoflurane, Isoflurane, Halothane and Desflurane of SELECTATEC™ interface
- Pressure differential flow sensor with variable diameters, automatically adaptive for adult, pediatric and neonate modes
- High efficiency double-layer CO₂ absorbers with high efficiency
- Modular compact airway circuit with minimal dead space and low condensation
- Optional backup cylinder system with pressure regulator
- RS-232 interface available

Safety in Every Detail

- Reliable aluminum alloy structure
- Double assurance and protections by dynamic tidal volume feedback and compensation system
 - Preset limit to prevent over compensation
 - Allowing turnoff in case flow sensor failure
- Separate pressure and flow sensors for rapidly locating in case of malfunction
- Preventing patients from hypoxia
 - N₂O/O₂ linkage adjustment (available for double or triple gas sources models)
 - Oxygen sensor monitoring (standard for double or triple gas sources models, optional for single gas source models)
- Manual bellow with APL valve substitution in case of A.C. power supply failure
- Monitoring and display of tidal volume value with backup internal battery in manual mode
- Physical insulation of oxygen and electricity, avoiding potential risk of explosion
- Independent bellow system with its own base, allowing disassembly for sterilization or leakage detection as a whole
- Intelligent control to prevent mistakes in parameter setting
- Alarm system
 - Analysis abnormal events relating time value, to avoid false response of transient abnormal events (flashing display for transient abnormal events)
 - 3-level audio and visual classification
 - Automatically ranking alarm events according to importance
 - Automatic self-check after “power on”, with error code and trouble-shooting indicator in case of problem

Design for Your Convenience



ANAESTON 5000/L

Standard Ventilation Modes

- VCV
- PLV
- PCV
- Manual

Auxiliary Modes

- SIGH
- PEEP
- EIP

Optional Modules

- SIMV Module
 - SIMV-VCV
 - SIMV-PCV
 - PSV
- EtCO₂ Module
 - EtCO₂ Value
 - ICO₂ Value
 - Trend
- CSM Module
 - CSI Value
 - EMG Value
 - BS Value
 - SQI Value
 - EEG Value
 - Trend

Display Modes

- Bracket-mounted 12.1" high resolution colorful TFT display
- Simple operating interface to set all 10 parameters within the main menu
- Synchronous display 3-channel waveforms of P-T, V-T and F-T with customizable sequence (CSI, EEG and EtCO₂ waveforms optional)
- Large font display of real-time parameter values with upper and lower limits
- P-V, F-V and P-F loops display (Max. 2 loops display synchronously)
- Switchable to trend curve and CSM (optional) parameters display
- Remarkable display for classified alarm events with different indicating lights



ANAESTON 5000/L
(O₂+N₂O+Air Sources)

ANAESTON 5000/P

Standard Ventilation Modes

- VCV
- Manual
- PLV

Auxiliary Modes

- SIGH
- PEEP
- EIP

Optional Modules

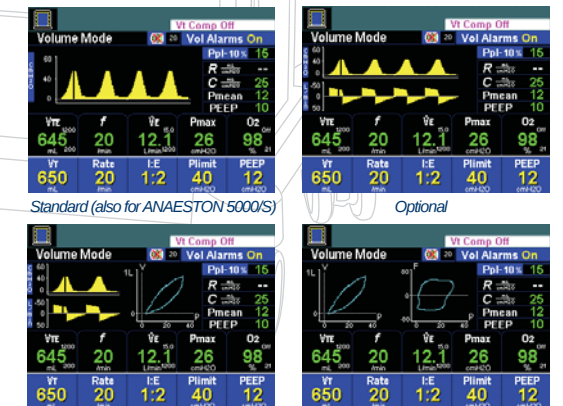
- PCV Module
- Waveform & Loop Module
- SIMV Module
 - SIMV-VCV
 - SIMV-PCV
 - PSV

Display Modes

- Bracket-mounted 5.7" high resolution colorful TFT display
- 5 shortcut keys for parameters setting easily
- Display of real-time parameter values with upper and lower limits
- 1-channel of P-T waveform display as standard interface
- Switchable to the following display modes (requiring optional modules)
 - 2-channel waveforms
 - 2-channel waveforms & 1 loop
 - 2 loops
- Display of multiple alarm events



ANAESTON 5000/P
(O₂+N₂O+Air Sources)



Standard (also for ANAESTON 5000/S)

Optional ANAESTON 5000/P Display

ANAESTON 5000/S

Standard Ventilation Modes

- VCV
- Manual
- PLV

Auxiliary Modes

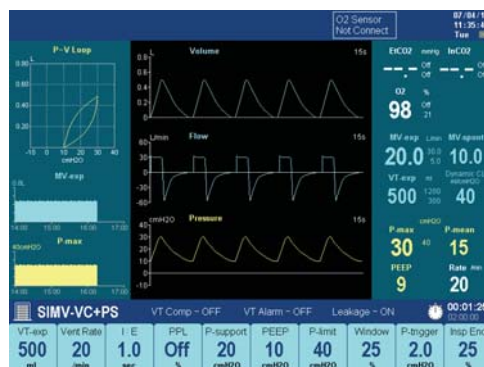
- SIGH
- EIP

Display Modes

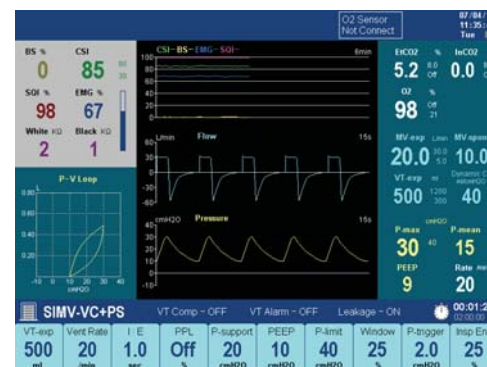
- Bracket-mounted 5.7" high resolution colorful TFT display
- 4 parameters setting: tidal volume (Vt), breathing rate, I:E ratio and pressure limit
- Display of real-time parameter values with upper and lower limits
- 1-channel of P-T waveform display
- Display of multiple alarm events



ANAESTON 5000/S
(O₂+N₂O Sources)



ANAESTON 5000/L Display (standard)



ANAESTON 5000/L Display (with optional CSM module)

ANAESTON 3000 Series

General Features

- Reliable aluminum alloy structure
- Single (O₂) or double (O₂+N₂O) gas sources models available for option
- Double flowmeters for each gas source with more precise adjustment for low-flow anaesthesia
- Tidal volume setting from 45 to 1500mL
- Compatible with Enflurane, Sevoflurane, Isoflurane, Halothane and Desflurane of SELECTATEC™ interface
- CO₂ absorber with drainer
- Modular compact airway circuit with minimal dead space and low condensation
- Automatically identified switch for manual or program working modes
- Modular airway circuit design, allowing tool-free assembling or disassembling
- Optional backup cylinder system with pressure regulator
- RS-232 interface available
- Separate pressure and flow sensors for rapidly locating in case of malfunction
- Preventing patients from hypoxia
 - N₂O/O₂ linkage adjustment (available for double gas sources models)
 - Oxygen sensor monitoring (standard for double gas sources models, optional for single gas source models)
- Manual bellow with APL valve substitution in case of A.C. power supply failure
- Monitoring and display of tidal volume value with backup internal battery in manual mode
- Physical insulation of oxygen and electricity, avoiding potential risk of explosion
- Independent bellow system with its own base, allowing disassembly for sterilization or leakage detection as a whole
- Intelligent control to prevent mistakes in parameter setting
- Alarm system
 - Analysis abnormal events relating time value, to avoid false response of transient abnormal events (flashing display for transient abnormal events)
 - 3-level audio and visual classification
 - Automatic self-check after "power on", with error code and trouble-shooting indicator in case of problem



ANAESTON 3000/S
(O₂+N₂O Sources)

ANAESTON 3000/S

- Bracket-mounted 5.7" monochrome display
- Dynamic tidal volume feedback and compensation with precise control
- 4 parameters setting: tidal volume (Vt), breathing rate, I:E ratio and pressure limit
- Standard ventilation modes including VCV, PLV, manual and auxiliary SIGH and EIP
- Display of real-time parameter values with upper and lower limits
- 1-channel of P-T waveform display
- Display of multiple alarm events



ANAESTON 3000/S
(O₂+N₂O Sources)



ANAESTON 3000/C
(O₂ Sources)

ANAESTON 3000/C

- Bracket-mounted 5.7" monochrome display
- Dynamic tidal volume feedback and compensation with precise control
- 4 parameters setting: tidal volume (Vt), breathing rate, I:E ratio and pressure limit
- Standard ventilation modes including VCV, PLV, manual and auxiliary SIGH and EIP
- Display of real-time parameter values with upper and lower limits
- 1-channel of P-T waveform display
- Display of multiple alarm events

Comparison Table

		ANAESTON 5000/L	ANAESTON 5000/P	ANAESTON 5000/S	ANAESTON 3000/S	ANAESTON 3000/C
Display		External 12.1" colorful TFT	External 5.7" colorful TFT	External 5.7" colorful TFT	Built-in 5.7" monochrome	Built-in display interface
Gas Sources		O ₂ /N ₂ O/Air available for option			O ₂ /N ₂ O available for option	
Tidal Volume (mL)		20~1500			45~1500	
Quantity of Vaporizer Positions		2			1	
Dynamic Vt. Compensation		YES	YES	YES	YES	NO
Basic Ventilation Modes	VCV	YES	YES	YES	YES	YES
	PLV	YES	YES	YES	YES	YES
	MANUAL	YES	YES	YES	YES	YES
Auxiliary Modes	SIGH	YES	YES	YES	YES	YES
	EIP	YES	YES	YES	YES	YES
	PEEP	YES	YES	NO	NO	NO
Optional Modules	PCV	YES	OPTIONAL	NO	NO	NO
	Waveform & Loop	YES	OPTIONAL	NO	NO	NO
	SIMV	OPTIONAL	OPTIONAL	NO	NO	NO
	CSM	OPTIONAL	NO	NO	NO	NO
	EtCO ₂	OPTIONAL	NO	NO	NO	NO

Heal Force OR Series



CSI & Multi-Parameter Patient Monitor



Anesthetic Machine



Operating Table



High Frequency Surgical Unit



Surgery Shadowless Lamp



Ceiling Pendant



Heal Force Bio-Meditech Holdings Group
Nison Instrument