

Technical Specifications

BASE UNIT	
Dimensions (H x W x D)	
Trolley version (with breathing circuit)	1403mm×704mm×750mm or 55.2in×27.7in×29.5in
Weight and load	
Trolley (without vaporizer and backup cylinder)	100kg or 220.5 lb
Top shelf load	25kg or 55 lb
Power and battery backup	
Power input	100~240 VAC, 50/60 Hz
Batteries and Operation time with fully charged	DC24V, 4.0AH, Min.120minutes
Environmental requirement	
Operation temperature	10~+40°C or 50~104°F
Operation humidity	≤80%(non-condensing)
Storage temperature	-20~+60°C or -4~131°F
Storage humidity	≤95%(non-condensing)
ANESTHESIA GAS SUPPLY MODULE	
Gas supply	O ₂ , N ₂ O, AIR; 280kPa - 600kPa
Cylinder yokes	Optional: O ₂ , N ₂ O, AIR
Fresh gas flow indicator	Electronically display and virtual fresh gas flow tubes
Range of fresh gas flow indicators	O ₂ , N ₂ O (0.05~10.0 l/min), AIR (0.05~12.0 l/min)
O ₂ flush	25~75 l/min
Vaporizer	
Auxiliary common gas outlet (ACGO)	Optional
Anesthetic Gas Scavenging System (AGSS)	Optional
Agent	Halothane, Enflurane, Isoflurane , Sevoflurane
Installation mode	Selectatec® with interlock, optional standby vaporizer parking holder
Filling type	Pour Fill, Key Fill, Quik-Fil
Breathing system	
Volume of CO ₂ absorber	3 L for double-canister or 1.8 L for optional single canister
VENTILATOR OPERATING SPECIFICATIONS	
APL Range	Spontaneous breathing (SP) -70cm H ₂ O
Material	Autoclavable (except O ₂ cell and mechanical pressure gauge)
Heating system	32-40°C
CO ₂ bypass	Optional
Ventilator	Electronically controlled, pneumatically driven
Ventilation modes	Manual/spontaneous
	Volume control (IPPV)
	Pressure control (PCV)
	Pressure Controlled Ventilation Volume Guaranteed (PCV-VG)
	Synchronized Intermittent Mandatory Ventilation in volume(SIMV-VC)
Control input ranges	Synchronized Intermittent Mandatory Ventilation in pressure(SIMV-PC)
	Pressure support (PS) with Apnea backup
Breathing frequency (rate)	2~100bpm
Positive end expiratory pressure (PEEP)	OFF, 3~30cm H ₂ O
Inspiration/expiration ratio (Ti:Te)	4:1~1:8
Tidal volume (Vt)	20~1,500ml in volume control
Inspiration pause	OFF, 5%~60%
Inspiratory time	0.2~5.0 s
Inspiratory pressure (P _{TARGET})	5~70cm H ₂ O
Pressure support level (ΔP)	3~50cm H ₂ O
Pressure limit (Pmax)	10~70 cm H ₂ O
Trigger level	1~15 l/min
Inspiratory Slope Time (T _{SLOPE})	0~2s
Compensation	Compliance and Leak compensation, fresh gas compensation, altitude compensation
Ventilator monitoring & alarm	
Monitoring	Continuous monitoring of inspiratory O ₂ concentration, breathing frequency, tidal volume, minute volume, peak airway pressure, PEEP, mean or plateau pressure, CO ₂ concentration (optional), anesthetic gas concentration (optional) paramagnetic oxygen sensors (optional)
Compliance	0~100 mL/cm H ₂ O
Control screen	12.1 in; TFT color touch screen
Graph Display	Waveform of P-t, F-t, V-t, CO ₂ -t (option), Paw-V Loop, V-Flow Loop
Alarm	MV high/low limit, FiO ₂ high/low limit, Paw high/low limit, Power failure
	Breath Rate high limit
	Subatmospheric pressure
	Sustained airway pressure
	Apnea alarm, Alarm Silence(120s)

Remark: Above configurations include standard and option. Please check price with your Aeonmed sales representative.



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AAM8700A-1703



Aeon8700A Anesthesia Workstation

CE 0123





Electronic Flow-meter

- Dual display: LCD and virtual fresh gas flow tubes
- Assisted with mechanical flow-meter monitoring total gas volume
- Simple and efficient operation



Ventilation Interface

- 12.1" TFT LCD with touch screen, simple intuitive interface
- Display main ventilation parameters, monitored data information, message alert at same page
- Minimum tidal volume down to 20ml suitable for patients from infant to adult



Graph Display

- P-t, F-t, V-t waveforms
- P-V, F-V loops
- Optional CO₂-t waveform
- Reference loops for real-time contrast
- Detailed record trend data easy for review



- The comprehensive ventilation modes including PCV-VG, SIMV-PC provide more flexibility to ventilation strategy, suitable for various patients operation
- Advanced ventilation management, provides accurate delivery and broad of settings enabling effective care across a wide range of patient sizes and acuity types
- Support both low-flow anesthesia and mini-flow anesthesia
- Compact breathing system, easy to remove and clean, fully autoclavable
- Electronic flow-meter, precise control and convenient operation
- 12.1" TFT LCD with color touch screen, highlighted display
- Optional comprehensive gas monitoring include: oxygen (paramagnetic), carbon dioxide, AG, etc.
- With CE certificate, meets EU clinical requirement

Spotlight and Auxiliary Table

- Spotlight with LED light source, shadowless effect
- Folding table expands work area and provides more space



Breathing System

- Special two-layer design, large capacity CO₂ canister
- Fast response suitable for low flow anesthesia
- Easy to remove and clean, fully autoclavable
- One step bag/vent switch
- Adjustable APL valve provides fast release function
- Optional CO₂ bypass

