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 panel 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, 5.0AH, Min.120 minutes
Environmental requirement	
Operation temperature	10~+40℃ or 50~104℉
Operation humidity	≤80%(non-condensing)
Storage temperature	-20~+60℃ or -4~131℉
Storage humidity	≤95%(non-condensing)
ANESTHESIA GAS SUPPLY MODULE	
Gas supply	O_2, N_2O, AIR; 280kPa - 600kPa
Cylinder yokes	option:O_2, N_2O, AIR
Fresh gas flow indicator	Electronically display and virtual fresh gas flow tubes
Range of fresh gas flow indicators	O_2, N_2O (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)	Option
Anesthetic Gas Scavenging System (AGSS)	Option
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	3.0 L
VENTILATOR OPERATING SPECIFICATIONS	
APL Range	Spontaneous breathing (SP) -70 cm H_2O
Material	Autoclavable (except O_2 fell cell and mechanical pressure meter)
Heating system	Option, 32－40℃
CO_2 bypass	Option
Ventilator	Electronically controlled, pneumatically driven
Operating modes Standard	Manual/spontaneous
	Volume control (IPPV)
	Pressure control (PCV)
Operating modes Option	Pressure Controlled Ventilation Volume Guaranteed（PCV-VG）
	Synchronized Intermittent Mandatory Ventilation in volume(SIMV-VC)
	Synchronized Intermittent Mandatory Ventilation in pressure(SIMV-PC)
	Pressure support (PS) with Apnea backup
Control input ranges	
Breathing frequency (rate)	2~100 bpm
Positive end expiratory pressure (PEEP)	OFF, 3~30 cm H_2O
Inspiration/expiration ratio (Ti:Te)	4:1~1:8
Tidal volume (Vt)	20~1,500 ml in volume control
Inspiration pause	OFF, 5%~60%
Inspiratory time	0.2~5.0 s
Inspiratory pressure (P_{TARGET})	5~70 cm H_2O
Pressure support level ($P_{support}$)	3~50 cm H_2O
Pressure limit(Pmax)	10~70 cm H_2O
Trigger level	1~15 l/min
Inspiratory Slope Time (T_{SLOPE})	0~2s
Compensation	Compliance and Leak compensation, fresh gas compensation, elevation 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_2Concentration(option), anesthesia agent, concentration(option)
	paramagnetic oxygen sensors(option)
Compliance	0~100mL/cmH_2O
Control screen	12.1 in; TFT color touch screen
Graph Display	Wave 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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Reliable Quality Thoughtful Service

Anesthesia Workstation
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Aeon8700A
CE An ISO9001/13485 Company

· The comprehensive ventilation modes including PCV-VG, SIMV-PC provide more flexibility to ventilation strategy, suitable for various patients operation including pediatric and adult
· Advanced ventilation management, provides a accurate and broad of settings enabling effective care across a wide range of patient sizes and acuity types
· Support both low-flow anesthesia and min-flow anesthesia
· Compact breathing circuit system, easy to removal and clean,fully autoclavable,optional CO_2 bypass
· Electronic flow-meter, precise control and convenient operation
· 12.1'' TFT LCD with color touch screen, highlighted display
· Options comprehensive gas monitoring include: oxygen(paramagnetic), carbon dioxide, AG, etc
· CE marked, meets EU clinical requirement

Anesthesia Workstation Aeon8700A

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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 CO_2-T waveform
· loops save function for real-time contrast
· Detailed record trend data of parameters for view event

Spotlight and Auxiliary Table

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

Breathing Circuit System

· Special two-layer design, large capacity CO_2 absorbent canister
· Fast response exceptional for low flow anesthesia
· Easy to removal and clean, fully autoclavable
· One step bag/vent switch turns ventilator on/off
· Adjustable APL valve provides fast emission function
· Optional CO_2 bypass