



# Anesthesia Machine

## AM-6000

ANE



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## safe and reliable

The anesthesia machine Advanced® AM-6000 is a compact and integrated anesthesia transmitting system. The anesthetic ventilator used in the system is controlled by microprocessor. And it configures monitor internally, volume mode, and other functions optional. The Anesthesia machine is applicable for patients (adult and child) of over 2kg with standard configuration. The Anesthesia machine is mainly used in the Operating Room of hospital, and also used in Emergency Room, Drug Addiction Treatment Center etc. where needs anesthesia.



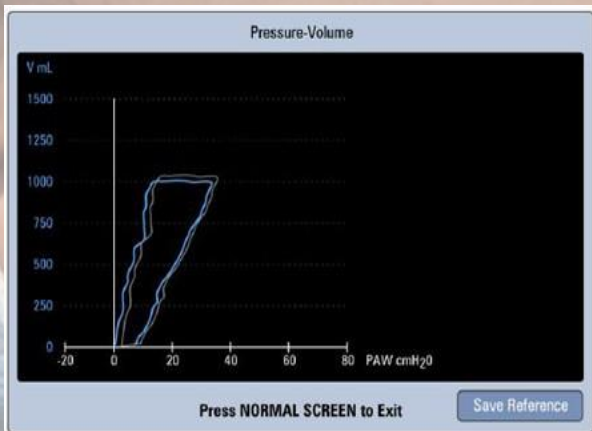
The anesthetic ventilator not only provides patients in operation with auto ventilation, but also monitors and displays the patient's various parameters. The anesthetic ventilator used in the system is controlled by microprocessor, and it configures monitor internally, volume mode, and other functions. The ventilation parameter monitor, setup and message notice of the ventilator are all displayed in the user interface.



The parameter monitor is in the left and right side of the user interface, the wave form in the middle. When there is a menu popping up, the wave area will be covered. The upper section is message area, the middle section is monitor area, the under is parameter area.



Breathing system is mainly used to store fresh gas including anesthetic gas, oxygen, and absorb waste gas. It directly connects to airway to support patient's respiration.



**P/V Loop** Horizontal abscissa displays Paw fixed range:-20~ 80cmH2O , gain is 20cmH2O.

Vertical abscissa displays tidal Volume fixed range is 0~ 1500ml , gain is 250ml.

**F/V Loop** Horizontal abscissa displays tidal Volume : -1400 ~ 0mL , gain is 700mL.

Vertical abscissa stands for Flow fixed range : -90 - 90L/min , gain is 45L/min ; the positive axes stands for aspiratory flow rate, the Negative axes stands for expiratory flow.

## Technical Specifications

Pneumatic	Central Gas Requirements	O <sub>2</sub> 280-600 kPa (40 PSI-87 PSI) / N <sub>2</sub> O 280-600 kPa (40 PSI-87 PSI) / Air 280-600 kPa (40 PSI-87 PSI)	
	Gas Supply Connectors	Diameter Indexed (DISS) threaded body as per CGA-V5	
	Cylinders Requirements	Three (3) E-Cylinders O <sub>2</sub> , N <sub>2</sub> O, Air	
	Cylinder connectors	PIN Indexed (PISS) per CGA-V5	
	Flowmeters	Fresh gas flowmeters O <sub>2</sub> high range 1-10L/min, O <sub>2</sub> low range 0L/min-1L/min N <sub>2</sub> O high range 1-12L/min N <sub>2</sub> O low range 0L/min-1L/min Air high range 1-15L/min Air low range 0L/min-1L/min	
Hyoxic Guard	System and O <sub>2</sub> Controls	Provides a minimum of 21% concentration of oxygen in fresh gas in any O <sub>2</sub> /N <sub>2</sub> O mixture Automatic N <sub>2</sub> O cutoff, O <sub>2</sub> supply failure and electronic alarm sounds when O <sub>2</sub> pressure falls below approximately 200kPa O <sub>2</sub> flush flow rate range 25-75L/min Waste gas scavenger port 30mm OD (Optional )	
Fresh Gas	Delivery System	2 Vaporizer Mounting Selectatec® manifold with interlocks	
	Aux O <sub>2</sub> /Air Manifold	Flow rate (max): 0.2-15L/min	
	O <sub>2</sub> concentration range	21% - 100%	
	Breathing System	Temperature: Controlled to 35° C (95° F)	
	O <sub>2</sub> Absorbent	2 loose fill or 2 prepacks	
	APL valve	APL valve: 300° rotation, 0 -70 cm H <sub>2</sub> O	
Ventilator	Operating Modes	Spontaneous and manual assist / Adult and pediatric IPPV / SIMV / PS / Manual / PCV	
	Automatic compensation	Fresh gas and altitude compensation	
	Breathing circuit	Automatic compliance after confirmation	
	Screen display	Color LCD / Screen size: Diagonal 264mm (10.4 in)	
	Sweep speed	15 seconds real-time	
	Graphic waveform	Airway pressure and flow, P-t, F-t, CO <sub>2</sub> -t (optional)	
	Numeric data Spirometry	Tidal volume, minute volume, peak airway pressure, PEEP, Mean or Plateau pressure, breath rate, FiO <sub>2</sub>	
	Loops	Spirometry loops: Pressure vs. Volume, Flow vs. Volume	
		Tidal Volume Range	Deliverable range 20ml - 1500ml 0ml - 2900ml - Accuracy (adult): +/- 15% - Accuracy (pediatric): +/-10% or 20ml
	Incremental setting	10ml	
	Pressure range	Manual mode: 5 - 70cm H <sub>2</sub> O	
	Pressure control ventilation	5 - 70cm H <sub>2</sub> O - Accuracy (PCV): +/- 4cm H <sub>2</sub> O (5-29cm H <sub>2</sub> O)	
	PS and SIMV	3 - 80cm H <sub>2</sub> O - Accuracy (PS and SIMV): +/- 3cm H <sub>2</sub> O (3 - 35cm H <sub>2</sub> O)	
	Minute volume display	Range: 0 - 30 liters	
	Breath rate range (per minute)	Deliverable range: 4 - 100 - Display range: 0 - 100	
	I:E ratio	Range: 4:1 - 1:8	
	End inspiratory plateau	Range OFF, 5 - 70cm H <sub>2</sub> O	
	Positive end expiratory pressure	(PEEP) Electronically controlled - Range: 3 - 30cm H <sub>2</sub> O / Accuracy: (3 - 12cm H <sub>2</sub> O) +/- 2cm H <sub>2</sub> O	

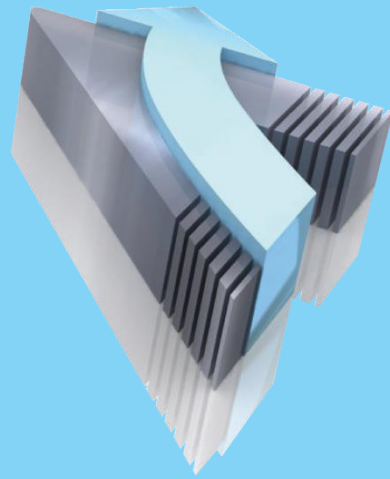
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FiO2	FiO2 Type	Galvanic / Display range: 0 - 100% / Resolution: 1vol/vol%
	Low limit range	18 -99vol/vol%
	High limit range	21 -100vol/vol%
	Breath rate high limit range	8 - 60 pbm
	Apnea manual mode	>60 seconds
	Apnea SIMV or PS	Breath rate below 6 pbm: <35 seconds
	Apnea CMV or PCV	Breath rate below 6 pbm: >30 seconds
	Alarm silence	2 minutes
	Sub-atmopheric pressure	-2cm H2O
Sustained pressure alarm	15 seconds	
Electrical Specifications	Power and battery back-up	Mains power supply: 120 VAC 60Hz, Battery 24 Volts
	Current input	10A total
	Power consumption	Approx 200VA
	Power cord	Captive line cord
	Battery	2 x 12v/5Ah rechargeable sealed lead acid
	Battery run time	Approx. 120 minutes
	Battery charge time	8 hours max. when machine is on
Auxiliary outlets	4 outlets fused (120V / 2A each) hospital grade	
Physical Specifications	Dimensions:	
	Height	1400mm (55in)
	Width	900mm (35in)
	Depth	750mm (29in)
	Weight	148kg (326 lbs) (without vaporizers and gas cylinders)
	Top Self	650mm (25.6in) (W) x 352mm (14in) (D)
	Weight Limit	25kg (55lbs)
	Top Self width	650mm (25.6in)
	Top Self Depth	352mm (14in)
	Work Surface Height	850mm (33.5in) (H)
	Work Surface Height	568mm (22.4in) (W)
	Work Surface Height	262mm (10.3in) (W)
Drawers ( 3 )	Drawers Height	127mm (5in)
	Drawers Width	482mm (19in)
	Drawers Deep	305mm (12in)
	Front Casters	2 front locking dual wheels 12.5cm (5in)
	Rear Casters	2 rear non-locking wheels 12.5cm (5in)
	Mounting Rails	Both sides of machine, top and button
Environmental Specifications	System operation	Operating temperature: +10° - +40° C (50° - 104° F) Operating humidity: 30%-80% non-condensing Storage temperature: -12° - +55° C (-4° - 131° F) Storage humidity: 30% - 90% RH, non-condensing Conditions defined at ambient temperature pressure dry. Atmospheric pressure: 70-60kPa (10-15 PSI) (operating and storage)
	Material	All materials in contact with patient gas are free of natural latex rubber

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