



# Anesthesia Machine

## AM-6000+

ANE



 Anesthesia

# AM-6000+

Maquina de Anestesia

*Anesthesia*

## 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.

# Anesthesia



## Features

- 10.4" TFT touch screen LCD color display.
- Multiple language.
- Integrated CO2 circle absorber with heating system.
- Meet low flow requirements.
- 2 Selectatec vaporizer mounting system.
- Built-in Electronic Ventilator Adult/Pediatric for VCV, PCV, SIMV-V, Spontaneous, Manual Standby mode.
- SIMV-P, PSV, backup mode (VCV, PCV), ACGO. (optional)
- Electronically controlled Positive and Expiratory Pressure (PEEP).
- Pipeline DISS system with gage for Oxygen, Nitrous Oxide and Air.
- E-Cylinder DISS system with gage for Oxygen, Nitrous Oxide.
- Double backlight Flowmeter for Oxygen, Nitrous Oxide and Air.
- Automatic N2O cutoff if Oxygen supply fails.
- Comprehensive alarm system.
- Oxygen Flush.
- Adjustable Pressure Limiting Valve (APL).
- Hypoxic Guard System.
- Infrared sensor to monitor canister bypass mode.
- AGSS gas scavenger system. (optional)
- Spirometry Loops: Paw-V (Paw-volume) loop and V-Flow (volume-flow) loop.
- Automatic Fresh Gas Compensation.
- Automatic Breathing Circuit Compliance Compensation.
- Auxiliary power outlets.
- FiO2 monitoring.
- Airway Pressure monitoring.
- Tidal Volume, Minute Volume & Respiratory Rate monitoring.
- Three full-width spacious drawers.
- Built-in backup Battery.
- Voltage 110V ~ 220V/50-60 Hz.
- Meets ISO 13485 Quality Standard.
- Meets FDA 510(k) requirements.

## Technical Specifications

<b>Pneumatics</b>	Central Gas Requirements Cylinder Gas Connectors Flowmeters	O2 280-600kPa(41-87 PSI) / N2O 280-600kPa(41-87 PSI) / Air 280-600kPa(41-87 PSI) 2 Cylinders O2,N2O / PIN indexed/ DISS, NIST. Air 0 to 15 L/min O2 0 to 10 L/min N2O 0 to 12 L/min
<b>Fresh Gas</b>	Delivery System Drive Gas O2 Concentration Range Breathing System O2 Absorbent APL Valve Inlet Pressure	Vaporizer Connection Style: Selectatec / Number ( max) Max Flow 90L/Min 21% - 100% Temperature Controlled to 35°C (95°F) Loose Pack Soda Lime 300° Rotation, 0 -70cm H2O 280-600 kPa
<b>Hypoxic Guard</b>	System and O2 Controls	Provides a minimum of 21% concentration of oxygen in fresh in any O2/N2O mixture Automatic N2O cutoff, O2 supply failure whistle and electronic alarm sounds when O2 pressure falls below approximately 90kPa O2 flus flow rate 25 – 75L/min Waste scavenging port 30mm OD. (optional)
<b>Ventilator</b>	Ventilator Display Operating Modes Graphic Waveforms Safety Pressure	10.4" TFT with Touch Screen Adult VCV, PCV, SIMV-V, Manual, standby mode. SIMV-P, PSV, backup mode (VCV, PCV), ACGO Pressure, Flow-rate, Volume, P- V loop F-V loop, Pleth (optional), Anesthetic Agent and CO2(optional) System pressure does not exceed 12.5 KPa
<b>Parameters Setting</b>	Tidal Volume Inspiratory Time Respiratory Ratio Inspiratory Pause % PEEP Pressure Support Pressure Control Flow Trigger Pressure Trigger PSV Insp Termination	50-500mL; optional 20-500mL; Increment: 20~100mL: 5mL 0.1 ~ 10.0 s; increments: 0.1 s 4:1 to 1:10; increments: 0.5 0 to 60%; Increment: 5% OFF, 3 ~ 30 cmH2O; Increment: 1 cmH2O 0 ~ 70 cmH2O; Increment: 1 cmH2O 5 ~ 70 cmH2O; Increment: 1 cmH2O 0.5 ~ 20L/min; increments: 0.1L/min 0 ~ 20 cmH2O; increments: 0.1 cmH2O 5 ~ 80%; increments: 5%
<b>Monitored Parameters</b>	Inspiratory Tidal Volume Expiratory Tidal Volume Minute ventilation Spontaneous Minute Ventilation Respiratory Rate Spontaneous Breathing Frequency Respiratory Ratio Inspiratory Plateau Pressure	0 ~ 2500 mL; Resolution: 1 mL. Error of ± 20mL or actual value ± 15%, whichever is greater 0 ~ 2500 mL; Resolution: 1 mL. Error of ± 20mL or actual value ± 15%, whichever is greater 0 ~ 60 L / min; Resolution: 0.1 L / min. Error of ± 1L/min or actual value ± 15%, whichever is greater 0 ~ 60 L / min; Resolution: 0.1 L / min. Error of ± 1L/min or actual value ± 15%, whichever is greater 0 ~ 100 bpm; Resolution: 1 bpm. Error of ± 2 beats / min or 0 ~ 100 bpm; Resolution: 1 bpm. Error of ± 2 beats / min or actual value ± 10%, whichever is greater 30:1 to 1:150; resolution: 0.1. Error of ± 20% 0 ~ 100 cmH2O; Resolution: 1 cmH2O. Error of ± (2% + 4% of full scale actual reading)
<b>Alarms</b>	Tidal Volume Minute Ventilation Respiratory Rate Airway Pressure Apnea Negative Pressure Alarm Alarm Silence	Low limit: 20 ~ 1500 mL / High limit: 30 ~ 2000 mL, OFF Low limit 0 ~ 98 L / High limit range: 1 ~ 99 L Low limit: 0 ~ 99 bpm / High limit 1 ~ 100bpm Low limit 1 ~ 98 cmH2O / High limit range: 10 ~ 99 cmH2O Setting time is 10 ~ 60 s, in increments of 1 s. Airway pressure is less than (-10) cm H2O 2 minutes

## Technical Specifications

<b>Breathing System</b>	Bellows volume Absorber Canister Volume Inhalation/ Exhalation Ports System	About 1500mL About 1500mL
<b>Connector</b>	Leaks System compliance Manual Mode Only  Canister Bypass Mode Airway Pressure Gauge Water Collection Cup	standard OD22mm, ID 15mm, tapered connector In any mode, the system is not greater than 140ml/min leakage Volume of gas lost due to internal compliance < 3.0 ml/0.098 kPa (1 cmH2O) < 120 ml/3 kPa (30 cmH2O) Continued ventilation of patient while changing the absorber canister -20 to +100 cmH2O Approximately 12mL. Can be disassembled independently.
<b>Inspiratory Breathing</b>	Resistance in Mechanical	Flow rate (l/min) 5 Pressure drop (kPa) 0.05 Pressure drop (cmH2O) 0.5
<b>Expiratory Breathing</b>	Resistance in Mechanical	Flow rate (l/min) 5 Pressure drop (kPa) 0.05 Pressure drop (cmH2O) 0.5
<b>Pressure and Flow</b>	APL Valve Completely Open	Flow rate (L / min) 3 APL pressure (cmH2O,dry) 0.95 APL pressure(cmH2O,wet) 1.03
<b>Electrical Specifications:</b>	Main Power Supply Frequency Power Consumption Fuse Battery Battery Run Time Battery Charging Time Auxiliary Outlets	100V - 240V 50 / 60Hz Approx < 150VA T10AL/250V, T3.15AL/250 NiHM 12V rechargeable, 4200mAh Approx 90 minutes 4 hours 3 hospital grade
<b>Physical Specifications</b>	Dimensions  Casters	Height 1410mm ( 55.5" inch ) Width 950mm ( 37.4" inch ) Deep 650mm ( 25.5" inch ) Weight: 110Kg ( 242.5 Lb ) approximately (without vaporizers and gas cylinders) 2 front locking dual wheels 125mm (5" Inch) 2 rear locking wheels 125mm (5" Inch)
<b>3 Drawers</b>	Dimensions	170mm (Height) ( 16.6" inch ) 393mm (Width) ( 15.4' inch ) 425mm (Deep) ( 16.7" inch )
<b>Environmental Specifications</b>	Working Temperature Working Humidity Working Pressure Storage Temperature Storage Humidity Storage Pressure	10~40C (50~104F) 5~95%, non-condensing 70~706kPa -20~55C (-4~131F) 10~95%, non-condensing 50~106kPa
	Material	All materials in contact with patient gas are free of natural latex rubber

2018 Advanced Instrumentations Inc, is a U.S.A registered company – All rights reserved.

All functionality, features, specifications and other product information provided in this document including, but not limited to, the benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice or obligation. Advanced Instrumentations reserves the right to make changes to this document and the product described herein, at any time, without obligation on Advanced Instrumentations to provide notification of such change. Actual description and specification of the product in this document may be different. Images shown here are for representational purpose only, actual may vary.

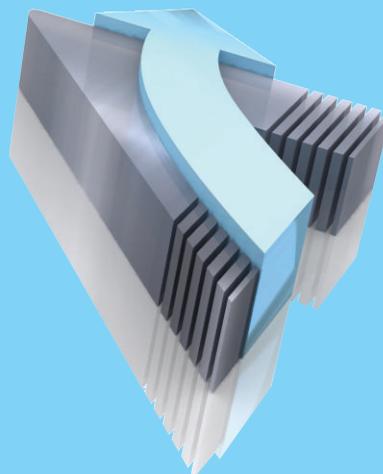
Advanced and Advanced Instrumentations trademarks and logos shown are property of Advanced Instrumentations Inc.

## Success Through Quality/Since 1988

Advanced Instrumentations Inc.  
Success Through Quality,  
a Company You Can Trust

Advanced Instrumentations manufactures leading medical technology equipment in the areas of anesthesia, cardiology, operating room, gynecology and obstetrics, IV therapy, patient monitors, hospital furniture, neonatology and ultrasound. We deliver to the healthcare industry the highest-quality standards, reliability, and patient safety in all our products through effective, and rigorous testing procedures by our own department of Biomedical Engineering in the United States. All of our equipment comes with 2 years warranty and excellent post-sale support services.

Advanced Instrumentations Inc. complies with the requirements of the ISO standards 13585-2016 following the audit by one of the most prestigious global certification companies, as it is the SGS. We comply with the requirements and are audited by the US Food and Drug Administration (FDA) an entity of the Health and Human Services of the United States of America. These certifications are the result of dedication and commitment to excellence in our products and services.



6800 N.W. 77 Court,  
Miami, FL 33166  
U.S.A.

Phone: 305-477-6331  
Fax: 305-477-5351

For additional information visit us at:  
[www.advanced-inst.com](http://www.advanced-inst.com)