



Aeon8100A

Anesthesia Machine

CE 0123

AEOMED
Reliable Quality Thoughtful Service

Compact but powerful

- Meet EU clinical requirements with CE certificate
- Compact, ergonomic design, convenient mobility and fitted in different OR sizes
- Powerful anesthesia ventilator provides more choices for respiratory management
- 10.4" TFT LCD color touchscreen, rotatable and tilted with high-lighted display
- Alloy breathing system: easy to detach and clean, fully autoclavable
- Continuous trend information is stored and shown in table and chart
- The constant temperature-heating system prevents moisture condensation, allowing for undisturbed monitoring and increasing patient comfort



Easy to operate and observe

- 10.4-inch touch screen with multi-angle adjustment
- Dual tube flowmeter for each gas is suitable for various requirements such as Low-flow.
- APL valve with fast release function improves the efficiency of induction and resuscitation
- One-Key Switch from manual to mechanical ventilation
- Auxiliary common gas outlet (ACGO)* makes it more convenient the use of semi-open circuit
- Integrated sockets for other medical equipment

Advanced breathing system

Modern designed alloy breathing system is easy to detach and fully autoclaved with anti-corrosion

The integrated heating system with a better thermal conductivity of alloy help prevent condensation and make patients feel more comfortable

Built-in non-consumable mass type flow sensor

Ultra-light ceramic one-way valve is more sensitive to meet the respiratory management of pediatric anesthesia

CO2 bypass option supports replacement of soda lime intraoperatively for longer operating time

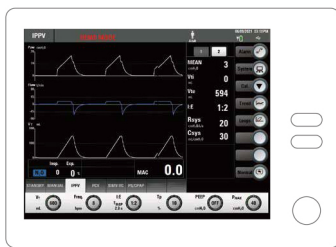




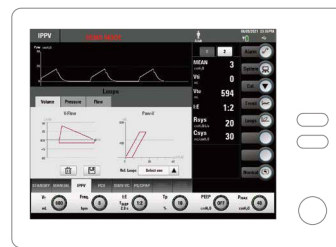
Powerful ventilation management

Modern anesthesia ventilator offers a wide variety of ventilation modes providing more options for respiratory management and complex ventilation care for the patients

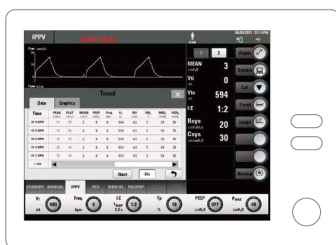
- More monitoring programs are available to help with clinical diagnosis, including resistance and compliance



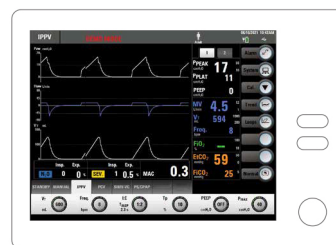
- Spirometry loops and waveforms make it more intuitive on showing the ventilation effectiveness.



- Continuous trend information is stored and shown in tables and charts



- Multiple anesthetic gas monitoring. Mainstream or sidestream can be a flexible configuration



Security assurance and ergonomic compliance

- Support two vaporizers with interlocks, ensuring the safety while giving more flexible choices
- Optional AGSS provides more protection for OR environment.
- Multiple safety mechanisms guarantee adequate oxygen supply
- Voltage and power fluctuation protection for a safer and longer usage time
- Pull - out stainless steel working table and folding table provide plenty of working space
- Top light and flowmeter backlight for dimly lit environments such as endoscopic surgeries

Technical Specifications

Physical & Environment Specifications

- Dimensions(H×W×D): 1300x800x630mm
(without YOKE)
- Weight: 100kg (basic unit)
- Operation Temperature: 10~40°C
- Operation Humidity: ≤80% (noncondensing)
- Storage Temperature: -20~60°C
- Storage Humidity: ≤95% (noncondensing)

Electrical Specifications

- Mains: AC 100~240V, 50/60Hz
- Battery: DC 24V 4Ah, minimum 120min
- Outlets: 3 on back, 1.5A individual

Pneumatic Specifications

- Gas Supply: 280 ~ 600kPa (40.6 ~ 87.1psi)
- Flowmeters: Double tube in series with backlight
- O₂: 0~1L/min, 1~10L/min
- N₂O: 0~1L/min, 1~10L/min
- Air: 0~1L/min, 1~12L/min

- Auxiliary O₂: 0~12L/min
- Gas System: Oxygen supply failure protection
- O₂ flush: 25~75L/min
- ACGO: Optional auxiliary common gas outlet
- AGSS: Optional

Breathing System Specifications

- Operating Modes: Closed, Semi-closed, Semi-open
- CO₂ Canister: Single canister 1.5L
- APL Range: Spontaneous breathing (SP) -70 cmH₂O
- Material: Autoclavable (except O₂ cell and pressure gauge)
- CO₂ Bypass: Optional

Ventilator Specifications

- Driven Mode: Pneumatically driven and Electronically controlled
- Patient Types: Adult and Pediatric
- Ventilation Modes: IPPV, PCV, SIMV-VC, PS/CPAP and Manual

- Tidal Volume: 20~1500ml
- Frequency: 2~100bpm
- I:E: 4:1~1:8
- P(inspired) : 5~70cmH₂O
- P(support) : 3~50cmH₂O
- PEEP: OFF, 3~30cmH₂O
- Tslope: 0~2s
- Inspiration pause: OFF, 5%~60%Ti
- Trigger: 1~15L/min
- Compensation: Compliance and leakage compensation, fresh gas and altitude compensation

Ventilator Monitoring & Alarms

- Pressure: P_{aw}, P_{peak}, P_{plat}, P_{mean}, PEEP
- Volumes: MV, Vt, Freq
- Gas: FiO₂
- Optional: CO₂, AG, MAC
- Graph Display: P-t, F-t, V-t Waveforms
P-V, F-V, P-F Loops
- Alarm: Audible and Visual alarms
High/Low Airway Pressure
Continuous Airway Pressure
High/Low Minute Volume
High/Low FiO₂
High Freq
O₂ Supply Failure
Power Failure
Apnea
- Alarm Silence: ≤120 seconds

Vaporizer

- Supports two vaporizers (optional standby vaporizer parking holder)
- Agent: Sev. Enf. Iso. Hal.
- Installation Mode: Selectatec® with interlock
- Filling Type: Pour-Fill, Key-Fill, Quik-Fil®

Remark: Above configurations include both standard and optional features. Please consult your Aeonmed sales representative for pricing.

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