

Aeon8700A



Anesthesia Workstations

www.aeonmed.com

Aeon8700A

- PCV, PS+ Apnoea ventilation modes provide more flexibility to ventilation strategy, suitable for various patients operation including pediatric and adult
- Advanced ventilation management, intelligent switch for key parameters in conversion process of ventilation mode
- Support both low-flow anesthesia and min-flow anesthesia
- Compact breathing circuit system, high temperature and high pressure sterilization doable
- Electronic flow-meter, precise control and convenient operation
- 12.1" TFT LCD color screen, highlighted display
- Options such as spotlight and auxiliary table offers more function support
- CE marked, meets EU clinical requirement



Electronic Flow-meter

- Electronic monitoring of O₂, CO₂, and anesthetic gas with LCD display
- Assisted with mechanical flow-meter monitoring total gas volume
- Simple and efficient operation



Breathing Circuit System

- Special two-layer design, large capacity CO₂ recovery can
- Compact design, small size, detachable system
- Up to 134°C high temperature and high pressure sterilization workable
- One-key operation of manual and mechanical ventilation
- Adjustable APL valve provides fast emission function



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• Ventilation Interface

- 12.1" TFT color screen displays main ventilation parameters, monitored data information, message alert at the same time
- Suitable for pediatric and adult operation
- Ventilation modes: IPPV, PCV, SIMV, PS+ Apnoea ventilation



• Graph Display

- P-T, F-T waveforms
- P-V, F-V loops
- Waveform save function for real-time contrast



• Spotlight and Auxiliary Table (option)

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



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 to 240 VAC, 50/60 Hz

Batteries and Operation time with fully charged DC24V, 2.3Ah, Min.120 minutes

Environmental requirement

Operation temperature 10~+40°C or 50~104°F

Operation humidity ≤80%(non-condensing)

Storage temperature -20~+55°C or -4~131°F

Storage humidity ≤93%(non-condensing)

ANESTHESIA GAS SUPPLY MODULE

Gas supply O₂, N₂O, AIR; 280kPa - 600kPa

Cylinder yokes(option) O₂, N₂O, AIR

Fresh gas flow indicator type Electronically controlled

Range of fresh gas flow indicators O₂, N₂O (0.05 to 10.0 l/min), AIR (0.05 to 12.0 l/min)

O₂ flush 25~75 l/min

Vaporizer

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 CO₂ absorber 3.0 l

VENTILATOR OPERATING SPECIFICATIONS

Ventilator Electronically controlled, pneumatically driven

Operating modes Standard Manual/spontaneous

Volume control (IPPV)

Pressure control (PCV)

Pressure support (PS)

Synchronized volume control with PS (SIMV/PS)

Control input ranges

Breathing frequency (rate) 2~100 bpm

Positive end expiratory pressure (PEEP) OFF, 3 to 30 cm H₂O

Inspiration/expiration ratio (Ti:Te) 4:1 to 1:8

Tidal volume (Vt) 20 to 1, 500 ml in volume control

Inspiration pause OFF, 5%-60%

Inspiratory time 0.2 to 5.0 s

Inspiratory pressure (P_{insp}) 5 to 70cm H₂O

Pressure support level (PS) 3 to 50 cm H₂O

Trigger level 1 to 15 l/min

Inspiratory rise time 0-2S

Peak Gas Flow 75 L/min

Compensation Compliance compensation, fresh gas compensation

Ventilator monitoring & alarm

Monitoring Continuous monitoring of inspiratory O₂ concentration, breathing frequency, tidal volume, minute volume, peak airway pressure, PEEP, mean or plateau pressure, CO₂Concentration(option), anesthesia agent, concentration(option)

Compliance 0-100mL/cmH₂O

Control screen 12.1 in; TFT color screen

Graph Display P-T, F-T&P-V, F-V loops (waveform save), wave of CO₂

Alarm MV high/low limit, FiO₂ high/low limit, Paw high/low limit, Power failure, Apnea

Alarm(60s) Alarm Silence(110s)

ACCESSORY

*Option Spotlight, auxiliary table

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