



Anesthesia Workstation  
[www.aeomed.com](http://www.aeomed.com)

**Aeon8700A**

- PCV, PS+ Apnea 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 offer more function support
- CE marked, meets EU clinical requirement

Anesthesia Workstation  
www.aeonmed.com

Aeon8700A



#### Electronic Flow-meter

- Electronic monitoring of O<sub>2</sub>, N<sub>2</sub>O, and air with LCD display
- Assisted with mechanical flow-meter monitoring total gas volume
- Simple and efficient operation



#### 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+ Apnea 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



#### Breathing Circuit System

- Special two-layer design, large capacity CO<sub>2</sub> 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



## 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, 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 O<sub>2</sub>, N<sub>2</sub>O, AIR; 280kPa - 600kPa

Cylinder yokes(option) O<sub>2</sub>, N<sub>2</sub>O, AIR

Fresh gas flow indicator type Electronically controlled

Range of fresh gas flow indicators O<sub>2</sub>, N<sub>2</sub>O (0.05~10.0 l/min), AIR (0.05~12.0 l/min)

O<sub>2</sub> 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 CO<sub>2</sub> 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, 3~30 cm H<sub>2</sub>O

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<sub>insp</sub>) 5~70cm H<sub>2</sub>O

Pressure support level (PS) 3~50 cm H<sub>2</sub>O

Trigger level 1~15 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 O<sub>2</sub> concentration, breathing frequency, tidal volume, minute volume, peak airway pressure, PEEP, mean or plateau pressure, CO<sub>2</sub>Concentration(option), anesthesia agent, concentration(option)

Compliance 0~100mL/cmH<sub>2</sub>O

Control screen 12.1 in; TFT color screen

Graph Display P-T, F-T&P-V, F-V loops (waveform save), wave of CO<sub>2</sub>

Alarm MV high/low limit, FiO<sub>2</sub> high/low limit, Paw high/low limit, Power failure

Apnea alarm(60s) Alarm Silence(110s)

### ACCESSORY

\*Option Spotlight, auxiliary table

Remark: Above configurations include standard and option. Please check price with your Aeonmed sales representative.

**aeomed**  
Beijing Aeonmed Co.,Ltd.

Office (Headquarters):  
Add: 11B2, Fengtai Science Park, (100070) Beijing, China  
Tel: +86-10-8368 1616 Fax: +86-10-6371 8989  
http://www.aeonmed.com E-mail: int@aeonmed.com

Information contained in this leaflet is correct at the date of publication. The policy of Beijing Aeonmed Co., Ltd. is one of the continued improvement to its products. Because of this policy Beijing Aeonmed Co., Ltd. reserves the right to make any change, which may affect the information in this leaflet without giving prior notices.

Print in Mar. 2013