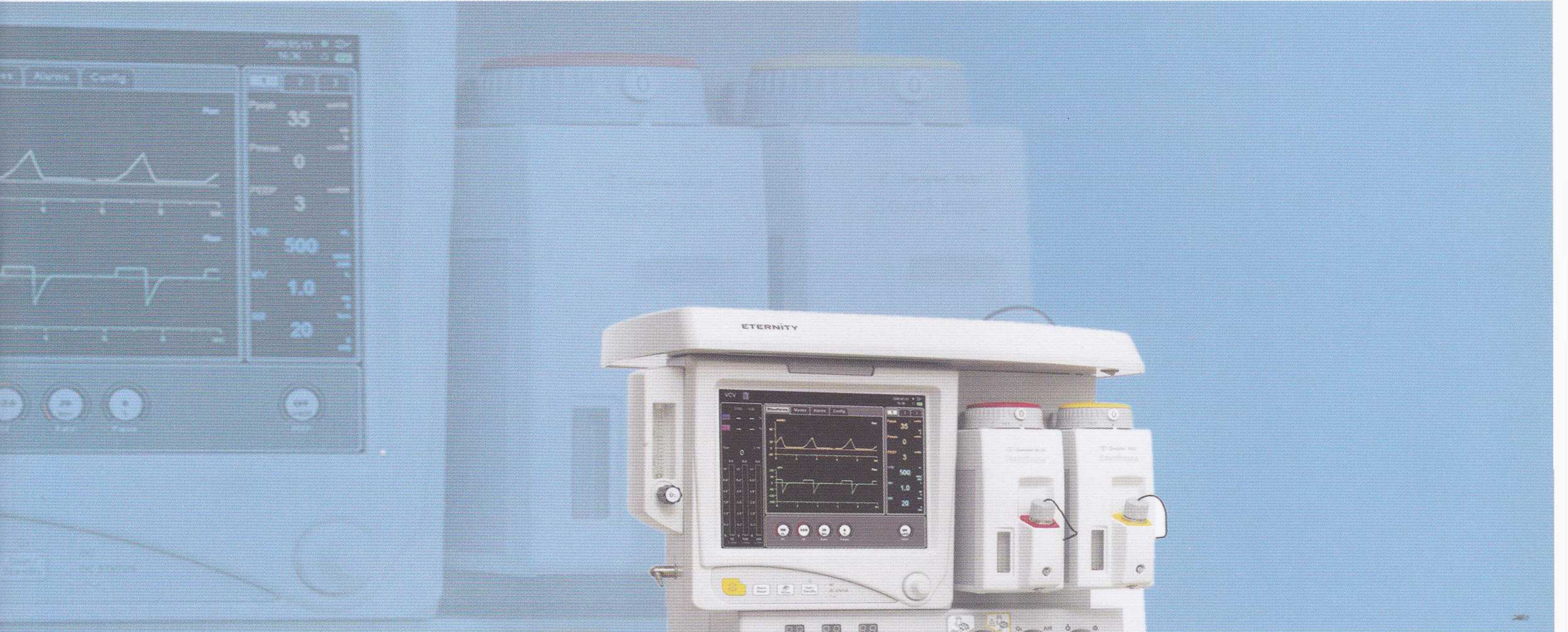


LUMOS AM852
Anesthesia Workstation



LUMOS AM852 Anesthesia Workstation

Features

- CE marked, meet EU clinical requirements
- Contemporary and ergonomic designed for ease of use
- Pull handle
- DIN rail at both side of machine allows for flexibility and ease of mounting patient monitor and other expansion medical devices
- Optional integrated auxiliary O₂ flowmeter and suction control
- AGSS (Anesthesia Gas Scavenging System) is optional.
- Electronic displayed flowmeter
- Applicable to Infant, pediatric and adult.
- Driven gas can be Oxygen or Air. Save running cost of Oxygen.



Integrated CO₂ Absorber System

- Highly integrated design - fewer parts and connections reduces potential for leaks and misconnects.
- Ease of disassembly (no tools required).
- Ease for cleaning, autoclavable in 134 °C to avoid cross-infection(except for O₂ sensor and gauge), latex free.
- One step bag/vent switch turns the ventilator on/off.
- Automatic CO₂ absorber by-pass.
- ACGO.



Ventilator

- 12 inch touch screen for easy review.
- Touch screen + navigation wheel + key pad for simple operation.
- “Choose-set-confirm” to realize function and avoid mis-operation.
- One key presses to total Standby mode: end case
- Easy of use, full range ventilator with mechanical ventilation modes, spontaneous ventilation modes and electronic, support a variety of patients
- Powerful extended function: Optional plug-in anesthesia agent monitoring, CO2 module, and SpO2 module. With parameters setting/display and graphic display in the screen.
- World leading brands of flow sensors, differential pressure sensors, pressure regulating valves and proportional valves to ensure accurate ventilation.
- Tidal volume compensation provides accurate delivery down to 20 mL
- Smart alarm notification direct user to specific problems and affected parameters
- Pressure and volume waveforms on a breath-by-breath basis
- Audio and visual alarms with three levels.



Vaporizers

Anesthetic vapour delivery modules

- The highest quality and reliable vaporizer.
- Available for Halothane, Isoflurane, Enflurane and Sevoflurane.
- Service-free: Calibration every 10 years (5 years for Halothane).
- Superb performance with automatic compensation for temperature, pressure and flow.
- Selectatec comptable interlock system.

Specifications

Physical Specifications

Dimension: L600 * W740 * H1368 mm
 Weight: 120kg
 Screen: 12 inch TFT touch screen
 Casters: 10 cm diameter, with individual locking brakes at front casters
 Two drawers

Electronic Specification

Power supply: AC100~240V±10%, 50/60Hz±1%
 Battery backup: 4 hours
 Power consumption: ≤75VA
 Top light

Pneumatic Specification

Pipeline gas input: O₂/N₂O/AIR and supplement O₂ supply, input pressure: 0.28MPa~0.6MPa
 Cylinder gas input (optional): Pin indexed yokes for O₂, N₂O and AIR.
 Pressure gauge: 3 nos. for pipeline. 3 nos. for cylinder (Optional)
 O₂ controls:
 ◎Method: Proportionate decrease of N₂O with reduction in O₂ flow
 ◎O₂ supply failure alarm: O₂ pressure lower than 0.14MPa
 ◎N₂O cut off: N₂O cutoff with loss of O₂ pressure, supply failure alarm when <200KPa.
 ◎O₂ flush: 25~75L/min
 ◎Auxiliary O₂ flowmeter: 0~15L/Min, flow tube indicator.
 ◎Flowmeters: Electronic flow measurement with both LED display and digital display on screen
 Operational modes: Closed and Semi-closed circuit system.
 Hypoxic guard system: Mechanical type, provides a nominal minimum 25% concentration of oxygen in O₂/N₂O mixture
 ACGO: ISO 22 mm OD and 15 mm ID, allows for using third party's semi-open circuit
 CO₂ absorbent canister: Quick release type, with volume 1.5L. Automatic CO₂ by-pass capability
 Bag/ventilation switch: switch for manual/spontaneous ventilation and mechanical ventilation.
 Integrated Adjustable Pressure Limiting (APL) valve: ≤ 6KPa
 AGSS (optional): Passive Anesthetic Gas Scavenging System

Vaporizer

Dual positions.
 Mounting: Tool-free installation Selectatec compatible with interlock.
 Agent type: Sevoflurane, Halothane, Isoflurane and Enflurane.
 Filling type: Pour-fill, Easy-fill and Quick-fill.

Ventilator parameters

Patient type: Infant, pediatric and adult
 Driven mode: Pneumatically driven electronically controlled
 Ventilation mode: VCV, PCV, SIMV-V, SIMV-P, PSV, STANDBY, Manual/Spontaneous
 Tidal volume (VT): 20ml~1500ml
 Pressure (Pinspired) range: 5~70 cmH₂O
 Pressure (limit): 5~100cmH₂O
 Pressure support: 5~60 cmH₂O
 Electronic PEEP: OFF, 3~39 cmH₂O
 Trigger: Flow and pressure trigger.
 Frequency (f): 0~100bpm, SIMV frequency: 4~60bpm
 I:E ratio: 10:1~1:10
 Inspiratory pause: 0~60% of inspiratory time
 Inspiratory time: 0.5~5 S

Ventilator Monitored Values

Tidal volume (VTI & VTE): 0~2000 ml
 Minute volume: 0~100 L
 Breathing rate: 0~100 bpm
 Ppeak: -20~100 cmH₂O
 FiO₂: 21~100%
 Waveform: P-T, F-T, CO₂-T (Optional).
 Loop: F-V, V-P
 Other Monitored: Pmean, PEEP, Pplat, Pmin, MVspont, Ratespont, Cdyn, SpO₂ (optional), Pulse (optional), EtCO₂ (optional), InCO₂ (optional), N₂O concentration (optional), Anesthetic agent concentration (optional), Flow of O₂/N₂O/Air, Total flow

Alarms

3 level visible audible alarm
 High & low limitation for: Pressure, Minute volume, Breathing rate, FiO₂, Tidal Volume, SpO₂ (optional), Pulse (optional), EtCO₂ (optional),
 Apnea time, Sustained airway pressure, Alarm mute, AC off, Battery low & exhausted, Alarm log, Alarm silence