



ESV-610

Anesthesia machine



OPERATING THEATRE



ESV-610

Anesthesia Machine

APPLICATION

The Anesthesia machine makes a good performance in Intensive Care Units (ICU), Operation room, Anesthesiology Department and other departments.

Professional design for adult, child and infant inhalation anesthesia and respiratory management, with advanced ventilation modes.

Outstanding ergonomic design, it ranks high level in safety, stability and convenience as well as user experiences.

This high-end model combine proven ventilation technology with the latest refinements in ergonomics and systems integration with an advanced, easy to use anesthesia table designed together with experienced experts to streamline your anesthesia workflow.

FEATURES

- 7" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- High precision flow meter, instantly know the fresh gas flow to your patient.
- Integrated breathing circuit design, ensure easy operating and keep tidy.
- Multiple working modes such as volume control and pressure limit, adapt to wide range patient.
- Vaporizer with temperature, pressure, flow compensation and self-lock function , keep safety anytime.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Pressure-time, flow-time Oscillogram show in real time.
- Vital sign monitor and Anesthetic gas monitor are optional.

SAFETY

- Three level alarm system, visual and sound alarm information.
- With multiple type of alarm, reminder and protection functions.
- Advanced power management control technology.
- Low O₂ pressure alarm and N₂O cut-off protection.

TRUST POINT

Providing customers with high quality and cost-effective anesthesia machine.

We listen to our customers and integrate their insights in our machine development.

Flexible configurations to suit customers' needs.

Countless feedback from customers give good reviews.

Real time pressure-time, flow-time loop Oscillogram and high precision O₂ concentration detection function included.



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TECHNICAL SPECIFICATION

Ventilation mode: IPPV, A/C, SIMV, SIGH, MANUAL

Flow meter:	O2 (0.1 ~ 10 L/min) - N2O (0.1 ~ 10 L/min) Optional AIR (in place of N2O) (0.1 ~ 10 L/min)
Rapid oxygen supply:	25 L/min ~ 75 L/min
Tidal volume (Vt):	0, 20 mL ~ 1500 mL
Frequency (Freq):	1 /min ~ 100 /min
I:E:	2: 1 ~ 1: 6
PEEP:	0 cmH2O ~ 30 cmH2O
Pressure triggering sensitivity (Ptr):	-20 cmH2O ~ 0 cmH2O (Based on PEEP)
Flow trigger sensitivity (FTr):	0.5 L/min ~ 30 L/min
Pressure control (PC):	5 cmH2O ~ 60 cmH2O
SIGH:	0 (off) 1/100 ~ 5/100
Apnea Ventilation:	OFF, 5 s ~ 60 s
Pressure limit:	20 cmH2O ~ 100 cmH2O

Monitoring parameter

Frequency (Freq): 0 /min ~ 100 /min
Tidal volume (Vt): 0 mL ~ 2000 mL
MV: 0 L/min ~ 100 L/min
Oxygen concentration: 15 % ~ 100 %

Oscillogram

P-T (pressure – time)
F-T (flow - time)

Alarm and protection

The AC power failure alarm:	Power failure or no connection
Low voltage alarm for battery backup:	< 11.3 ± 0.3 V
No tidal volume:	≤ 5 mL within 6 s
High oxygen concentration alarm:	19% ~ 100%
Low oxygen concentration alarm:	18% ~ 99%
High Airway pressure alarm:	20 cmH2O ~ 100 cmH2O
Low Airway pressure alarm:	0 cmH2O ~ 20 cmH2O
High Minute Volume alarm:	Adult (5 L/min ~ 20 L/min) Pediatric (1 L/min ~ 15 L/min)
Low Minute Volume alarm:	(0 ~ 10 L/min)
Continuous Pressure alarm:	(PEEP+1.5 kPa) over 16s
Suffocation warning:	5 s ~ 60 s no spontaneous ventilation
The maximum limited pressure:	<12.5 kPa
Fan error:	Show on screen
Oxygen deficit:	Show on screen

Working condition

Gas source:	O2, N2O
Pressure:	280 kPa ~ 600 kPa
Voltage:	100 ~ 240 V
Power frequency:	50/60 Hz

Packing size

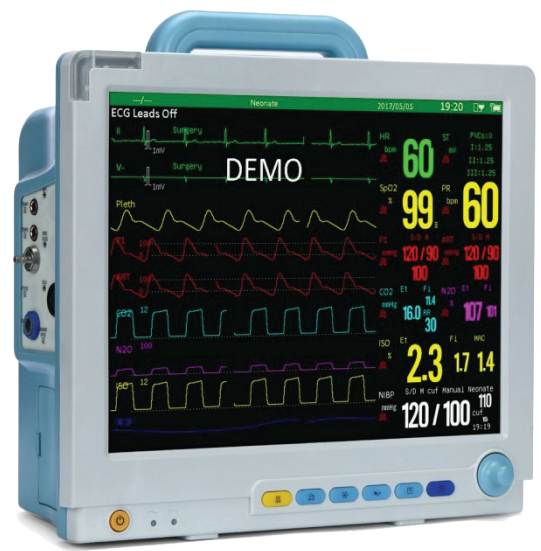
Wooden case packing size:	L 740 * W 800 * H 1460 mm - G.W.: 98 kg
CBM:	1.33 m3
Anesthesia machine N.W.:	66 KGS



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ANESTHETIC MONITOR OPTIONAL



AG5S

Technical Specification:

- Sample Rate: 50mL/min, ±10mL/min
- Operation method: Non-dispersive infrared(NDIR), no moving parts
- Initialization Time: 20 sec, full specification within 60 sec
- Calibration: No routine user calibration required
- Compensation: Automatic for atmospheric pressure, temperature
- Rise Time: Co2<200ms, N2O, AA<350ms
- Respiratory Rate: Range 3~150BMP Accuracy±1BMP
- Breath Detect: Adaptive threshold, minimum 1% 2 value change
- Agent Threshold Agent: 0.15%
- Gases Accuracy:
 - Co2: 0-10% ±(0.2 vol% +2% of reading)
 - 10-15% ±(0.3 vol% +2% of reading)
 - N2O: 0-100% ±(2 vol% +2% of reading)
 - ISO: 0-6% ±(0.2 vol% +2% of reading)
 - ENF: 0-6% ±(0.2 vol% +2% of reading)
 - SEV : 0-8% ±(0.2 vol% +2% of reading)
- Temperature & Humidity:
 - Operating: 0°C to 40°C, 10 to 90%RH, no-condensing

VAPORIZER



Optional



Optional



Optional



Included



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