ESV-620

Anesthesia machine

ESV-630

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

• Advanced one button switch of manual provides convenient electronic controlling interchanges.
• 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.
• Real time pressure-time, flow-time loop oscillogram and high precision O2 concentration detection function included.

Screen
7" screen displays information area, alarm area, monitoring area and setting area.
2-3 hours built-in backup battery.
Intelligent three level alarming system with 14 alarm, visual and sound alarm information.
2 oscillograms: P-T, V-T

Pressure gauge
Pressure gauge shows pressure of centre gas system or gas cylinder.

Bellow
1500mL can applied to different patients.
Volume of absorber: 1.5 L
Integrated design makes installation easily.

Oxygen sensor
Oxygen sensor makes sure accurate parameters.

Brake
4 casters with 2 individual brakes.

Vaporizer
One or dual-position
Choice: Halothane, Enflurane, Isoflurane, Sevoflurane
1 set vaporizer for standard, max 2 sets.

Mechanical flowmeter
5 Mechanical flowmeters: O_2, Air, N_2O.
Fine control: 0.1-1 L/min
Coarse control: 1-10 L/min

ACGO and fast oxygen supply
Emergency situation and revival after operation.

Optional
AGSS
Gas gauge for gas cylinders
Vital sign monitor, anaesthetic gas monitor
Hand held $ETCO_2$ monitor or Vital sign monitor with $ETCO_2$
3 Yokes

ESV-620

Anesthesia Machine

TECHNICAL SPECIFICATION

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

Flow meter:	O2 (0.1 ~ 10 L/min) - N2O (0.1 ~ 10 L/min) - AIR (0.1 ~ 10 L/min)
Rapid oxygen supply:	25 L/min ~ 75 L/min
Tidal volume (Vt):	0, 20 mL ~ 1500 mL
Frequence (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)
V-T (volume - 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)
Low Minute Volume alarm:	Pediatric (1 L/min ~ 15 L/min, 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, Air
Pressure:	280 kPa ~ 600 kPa
Voltage:	100 ~ 240 V
Power frequency:	50/60 Hz

Packing size

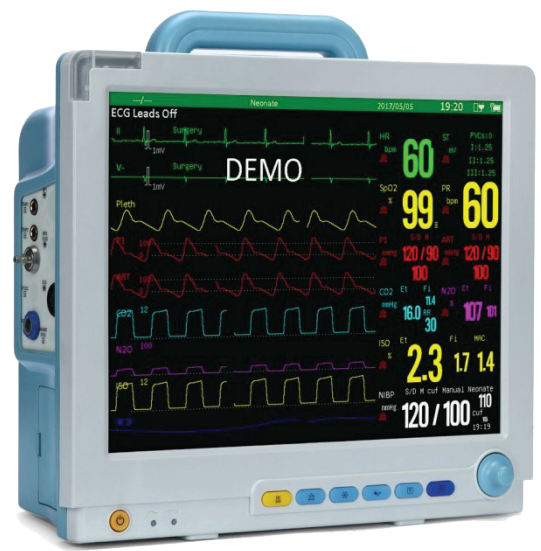|	
Wooden case packing size:	L 810 * W 1060 * H 1540 mm - G.W.: 150 kg
CBM:	1.33 m3
Anesthesia machine N.W.:	96 KGS

ESV-620

Anesthesia Machine

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℃ to 40℃, 10 to 90%RH, no-condensing

VAPORIZER

Enflurane	Halothane	Isoflurane	Sevoflurane
Optional	**Optional**	**Included**	**Included**

CE