

Specifications

Ventilation Modes

IPPV, A/C, PCV, SIMV, SIGH

Ventilator Parameter Ranges

Flow meter	O ₂ (0.1~10 L/min)
	N ₂ O (0.1~10 L/min)
	AIR (0.1~10 L/min)
Rapid oxygen supply	35 L/min~75 L/min
Tidal volume(Vt)	0, 20 ML~1500 ML
Frequency	1 bpm~100 bpm
I/E	4:1~1:8
PEEP	0 cmH ₂ O~30 cmH ₂ O
Pressure triggering sensitivity (PTr)	-20 cmH ₂ O~0 cmH ₂ O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min~30 L/min
Pressure control (PC)	5 cmH ₂ O~60 cmH ₂ O
SIGH	0 (off) 1/100~5/100
Apnea ventilation	OFF, 5s~60s
Pressure limit	20 cmH ₂ O~100 cmH ₂ O

Monitored Parameters

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

Oscillographs Display

P-T (pressure – time)
F-T (flow – time)
P-V loop (pressure – volume loop)

Alarms and Protection

The AC power failure alarm	Power failure or no connection
Low voltage alarm for back up battery	<11.3±0.3V
No tidal volume	≤5ML within 6s
High oxygen concentration alarm	19%~100%
Low oxygen concentration alarm	18%~99%
High airway pressure alarm	20 cmH ₂ O~100 cmH ₂ O
Low airway pressure alarm	0 cmH ₂ O~20 cmH ₂ O
High minute volume alarm	Adult (5 L/min~20 L/min)
	Paed (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	5s~60s no spontaneous ventilation
The maximum limited pressure	<12.5 kPa
Fan error	Show on screen
Oxygen deficit	Show on screen

Working Conditions

Gas source	O ₂ , N ₂ O, AIR
Pressure	280 kPa~600 kPa
Voltage	100~240V
Power frequency	50/60 Hz
Input power	85VA

Packing Size

Wooden case packing size	L 770* W 890* H 1535mm
G.W.	151KG
N.W.	91.2KG



The picture is for reference only. For more information, please contact Perlong Medical sales representatives.

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S6100 Anesthesia System

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Application

The Anesthesia Machine makes a good performance in Intensive Care Units (ICU), operation room, anesthesiology department and other departments. From high to low acuity, simple to complex cases, pediatric to geriatric patients, Perlong Medical Anesthesia System offers you wide choices that you need in ventilation, monitoring and technique. What's more, our expertise in anesthesia delivery and ventilation is based on rich 23 years history of developing anesthesia solutions that meet your needs. Good performance based on high security, high accuracy, high stability and accurate monitoring.



10.4" screen



Flowmeter



Breathing circuit



Pressure gauge



Bellow



APL valve



Halothane: 0~5% Enflurane: 0~5% Isoflurane: 0~5% Sevoflurane: 0~8%

1 set vaporizer for standard, can be installed 2 vaporizers in all.

Trust Points

- Simplicity: four static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, PCV, SIMV, SIGH and MANU.
- Flexible configurations able to customize your requirements.
- International standard and advanced technology suitable for wide range use.
- Compact interface and big screen give you better operating experience.
- Over 5,000 units are installed in more than 200 countries.
- Designed and manufactured by Perlong Medical with over 23 years of experience in ICU field.

Features

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillographs.
- High precision flow meter, instantly know the fresh gas flow to your patient.
- Integration 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, 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, low-time loop oscillographs and high precision ETCO₂, O₂ concentration show in real time.
- Vital sign monitor and anesthetic gas monitor are optional.
- ETCO₂ module and Anesthesia Gas Scavenging System (AGSS) are optional.

Safety

- Three levels alarm system, visual and sound alarm information.
- With multiple type of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provide the emergency power supply to the unit.
- Low O₂ pressure alarm and N₂O cut-off protection.