

Technical Specifications

Ventilation Modes	
IPPV, A/C , PCV, SIMV, SIGH	

Ventilator Parameter Ranges	
Flow meter	O <sub>2</sub> (0.1 ~ 10 L/min)
	N <sub>2</sub> 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
Frequence (Freq)	1 bpm ~ 100 bpm
I/E	4:1 ~ 1:8
PEEP	0 cmH <sub>2</sub> O ~ 30 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTR)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
Pressure control (PC)	5 cmH <sub>2</sub> O ~ 60 cmH <sub>2</sub> O
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5s ~ 60s
Pressure limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O

Monitored Parameters	
Frequence (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)	
V-T (volume – time)	
ETCO <sub>2</sub> -T (End-tidal CO <sub>2</sub> - time)	

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 <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> 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 <sub>2</sub> , N <sub>2</sub> O, AIR
Pressure	280kPa-600kPa
Voltage	100-240V
Power frequency	50/60Hz
Input power	80VA

Packing Size	
Wooden case packing size	L 870* W 890* H 1510mm
G.W.	190KG
N.W.	124KG



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

# S6100 PLUS

## Anesthesia System

ADULT · PEDIATRIC    *Friendly Powerful Reliable*

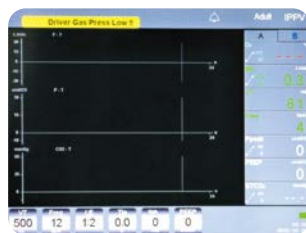


# S6100 PLUS

## Anesthesia System

### 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" Touch screen



Electronic flowmeter



Breathing circuit



Pressure gauge



Bellow



APL valve

### Strength

- High quality durable breathing system, easy to disassembled for clean and sterilization demand.
- Excellent CO<sub>2</sub> absorber, easy to exchange soda lime canister.
- Superior Ventilator: with IPPV, A/C, PCV, SIMV, SIGH modes, fresh gas, compliance and leakage compensation.
- Large workbench: stainless steel material can stand any chemical sterilization agent.
- Two spacious drawers for storing accessories, auxiliary gas outlet.



Halothane: 0~5%

Enflurane: 0~5%

Isoflurane: 0~5%

Sevoflurane: 0~8%

### 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 experience in ICU field.

### Features

- 10.4" TFT LCD touch screen displays the Ventilation parameters, Alarm information and Oscillographs.
- Electronic 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, flow-time, pressure-volume loop graphics, volume-time and ETCO<sub>2</sub>-time.
- ETCO<sub>2</sub> module and Anesthesia Gas Scavenging System (AGSS) are optional.

### Safety

- Three levels alarm system, visual and sound alarm information.
- Intelligent dual system controls ensure safe use in clinics.
- 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.

# S6100A

## Anesthesia System

ADULT · PEDIATRIC    Friendly Powerful Reliable

### 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.

### Features

- Simplicity: four static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, SIMV and MANU.
- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillographs.
- Vaporizer with temperature, flow compensation and self-lock function, keep safety anytime.
- Pressure-time, low-time and high precision  $\text{ETCO}_2$ ,  $\text{O}_2$  concentration show in real time.
- $\text{ETCO}_2$  and Anesthesia Gas Scavenging System (AGSS) are optional.
- Built-in backup battery provide the emergency power supply to the unit.
- Low  $\text{O}_2$  pressure alarm and  $\text{N}_2\text{O}$  cut-off protection.
- 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.



10.4" screen



Flowmeter



Breathing circuit



Pressure gauge



Bellow



APL Valve

### Specifications

#### Ventilation Modes

IPPV, A/C, SIMV

#### Ventilator Parameter Ranges

Flow meter	$\text{O}_2$ (0.1 ~ 10 L/min)
	$\text{N}_2\text{O}$ (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
Frequency (Freq)	1 bpm ~ 100 bpm
I/E	2:1 ~ 1:6
PEEP	0 $\text{cmH}_2\text{O}$ ~ 30 $\text{cmH}_2\text{O}$
Pressure triggering sensitivity (PTr)	-20 $\text{cmH}_2\text{O}$ ~ 0 $\text{cmH}_2\text{O}$ (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5s ~ 60s
Pressure limit	20 $\text{cmH}_2\text{O}$ ~ 100 $\text{cmH}_2\text{O}$

#### 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)

#### Packing Size

Wooden case packing size	L 845*W 900*H 1525mm
G.W.	151KG
N.W.	102KG

#### 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 $\text{cmH}_2\text{O}$ ~ 100 $\text{cmH}_2\text{O}$
Low airway pressure alarm	0 $\text{cmH}_2\text{O}$ ~ 20 $\text{cmH}_2\text{O}$
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	$\text{O}_2$ , $\text{N}_2\text{O}$ , AIR
Pressure	280 kPa ~ 600 kPa
Voltage	100 ~ 240V
Power frequency	50/60 Hz
Input power	80 VA



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

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# Specifications

## Ventilation Modes

IPPV, A/C, PCV, SIMV, SIGH

## Ventilator Parameter Ranges

Flow meter	O <sub>2</sub> (0.1~10 L/min)
	N <sub>2</sub> 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
Frequence	1 bpm~100 bpm
I/E	4:1~1:8
PEEP	0 cmH <sub>2</sub> O~30 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTr)	-20 cmH <sub>2</sub> O~0 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min~30 L/min
Pressure control (PC)	5 cmH <sub>2</sub> O~60 cmH <sub>2</sub> O
SIGH	0 (off) 1/100~5/100
Apnea ventilation	OFF, 5s~60s
Pressure limit	20 cmH <sub>2</sub> O~100 cmH <sub>2</sub> O

## Monitored Parameters

Frequence (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 <sub>2</sub> O~100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O~20 cmH <sub>2</sub> 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 <sub>2</sub> , N <sub>2</sub> 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



S6100 PLUS



S6100A



S6100D



S6100

# S6100 Anesthesia System

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# S6100 Anesthesia System

## 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 ETCO<sub>2</sub>, O<sub>2</sub> concentration show in real time.
- Vital sign monitor and anesthetic gas monitor are optional.
- ETCO<sub>2</sub> 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 O<sub>2</sub> pressure alarm and N<sub>2</sub>O cut-off protection.

## Specifications

### Ventilation Modes

IPPV, A/C, SIMV

### Ventilator Parameter Ranges

Flow meter	O <sub>2</sub> (0.1 ~ 10 L/min) N <sub>2</sub> O (0.1 ~ 10 L/min)
Rapid oxygen supply	25 L/min ~ 75 L/min
Tidal volume (Vt)	0, 20 ML ~ 1500 ML
Frequency	1 bpm ~ 100 bpm
I/E	2:1 ~ 1:6
PEEP	0 cmH <sub>2</sub> O ~ 30 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTr)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5s ~ 60s
Pressure limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O

### Monitored Parameters

Frequency	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)

### 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 <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> 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 <sub>2</sub> , N <sub>2</sub> O
Pressure	280 kPa ~ 600 kPa
Voltage	100 ~ 240V
Power frequency	50/60 Hz
Input power	40 VA

### Packing Size

Wooden case packing size	L 740* W 800* H 1460mm
G.W.	93KG
N.W.	66KG



S6100 PLUS



S6100A



S6100



S6100D

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# S6100D Anesthesia System

ADULT · PEDIATRIC

*Friendly Powerful Reliable*



# S6100D Anesthesia System



Halothane: 0~5%



Enflurane: 0~5%



Isoflurane: 0~5%



Sevoflurane: 0~8%

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

## 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.

## Trust Points

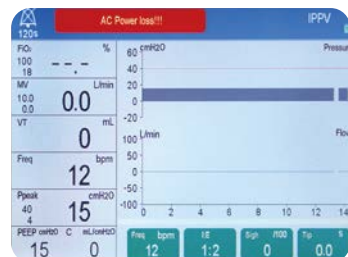
- Simplicity: four static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilator modes: IPPV, A/C, SIMV and MANU.
- Flexible configurations able to customize your requirements.
- International standard and advanced technology suitable for wide range use.
- 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

- 7" 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 .
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Pressure-time, flow-time oscillographs show in real time.
- Vital sign monitor and Anesthetic gas monitor 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.
- Low O<sub>2</sub> pressure alarm and N<sub>2</sub>O cut-off protection.



7" TFT screen



Flowmeter



Breathing circuit



Pressure gauge



Bellow



APL valve

