



# 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. S6100A is designed for ease of use, incorporating basic function and the maximum patient safety in daily anesthesia practice. Professional design for adult, child and infant inhalation anesthesia and respiratory management, with advanced ventilation mode. 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.

## Feature

- Simplicity: 4 static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, SIMV, SIGH and MANUAL.
- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- Vaporizer with temperature, pressure, flow compensation and self-lock function, keep safety anytime.
- Pressure-time, low-time and high precision ETCO<sub>2</sub>, O<sub>2</sub> concentration show in real time.
- ETCO<sub>2</sub> and Anesthesia Gas Scavenging System (AGSS) are optional.
- 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.
- Over 5,000 units are installed in more than 200 countries.
- Designed and manufactured by Superstar Medical with over 25 years of experience in ICU field.

Cherish your life, Cherish your health!

 **SUPERSTAR**  
NANJING SUPERSTAR MEDICAL EQUIPMENT Co., Ltd.



10.4" screen



Flowmeter



Breathing circuit



Pressure gauge



Bellow



APL Valve

## TECHNICAL SPECIFICATION

### Ventilation mode

IPPV, A/C, SIMV, SIGH, MANUAL

### Ventilator parameter range

Flowmeter	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	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 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

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

### Packing Size

Wooden case packing size	L 920*W 970*H 1380mm
G.W.	156KG
N.W.	102KG
CBM	1.24m <sup>3</sup>

### Alarm 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 condition

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



Halothane: 0~5% Enflurane: 0~5% Isoflurane: 0~5% Sevoflurane: 0~8%  
1 set vaporizer in standard, max 2 sets.

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



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