TECHNICAL SPECIFICATION

Ventilation mode

P-CMV, V-CMV, P-SIMV, V-SIMV, PSV, PRVC, SIGH, MANUAL

Ventilator parameter range

Tidal volume(Vt)	0, 10 mL ~ 1500 mL
Frequence(Freq)	4 /min ~ 100 /min
I:E	4:1 ~ 1:10
PEEP	0 cmH_2O ~ 30 cmH_2O
Rapid oxygen supply	25 L/min ~ 75 L/min
Pressure trigger	-1 cmH_2O ~ -20 cmH_2O
Flow trigger	0.3 L/min，1 L/min ~ 15 L/min
Pressure support	3 cmH_2O ~ 50 cmH_2O
Pressure limit	10 cmH_2O ~ 100 cmH_2O
Inspiration apnea	OFF, 5 % ~ 60 %
Inspiration time	0.2 s ~ 5 s
Trigger	5 % ~ 95 %
SIMV frequency	4 /min ~ 60 /min
Rise time	0 s ~ 2 s

Monitoring parameter

Frequence（Freq）	0 /min ~ 100 /min
Tidal volume (Vt)	0 mL ~ 2500 mL
Minute volume	0 L/min ~ 99.9 L/min
Oxygen concentration	15 % ~ 100 %
Airway pressure	-20 cmH_2O ~ 100 cmH_2O
Inspiration platform pressure	0 cmH_2O ~ 100 cmH_2O
PEEP	0 cmH_2O ~ 70 cmH_2O
I:E	4:1 ~ 1:10

Packing size

Wooden case packing size	L 870 * W 1000 * H 1600 mm
G.W.	240 KG
N.W.	165 KG
CBM	1.392 m^3

Alarm and protection

VT upper limit	5 mL ~ 2000 mL
VT lower limit	0 mL ~ 1995 mL
MV upper limit	0.1 L/min ~ 100 L/min
MV lower limit	0.0 L/min ~ 99.9 L/min
Respiration frequency upper limit	2 /min ~ 100 /min
Respiration frequency lower limit	0 /min ~ 98 /min
FIO_2 upper limit	20 % ~ 100 %
FIO_2 lower limit	18 % ~ 98 %
Airway pressure upper limit	2 cmH_2O ~ 100 cmH_2O
Airway pressure lower limit	0 cmH_2O ~ 98 cmH_2O
Apnea	20 s ~ 40 s
Oxygen concentration never lower than 25% when N_2O start	

Testing

Automatic leakage compensation testing

Patient circuit leakage compensation and automatic compliance compensation

Patient monitor and AG monitor can be equipped

Manual ventilation, mechanical ventilation and standby

Oscillogram: P-T, F-T, V-T, Lung function loop, $ETCO_2$

Self-testing visible

Alarm visible

ACGO function

Oscillogram

P-T (pressure-time)

F-T (flow-time)

V-T (volume-time)

$ETCO_2$-T ($ETCO_2$-time)

P-V loop (pressure-volume loop)

F-V loop (flow-volume loop)

F-P loop (flow-pressure loop)

Other models for your reference：

optional   optional

HG6100D   HG6100C   HG6100A   HG6100   HG6100 PLUS

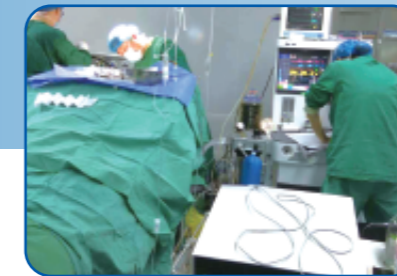The picture is for reference only. For more information, please contact Superstar Medical sales representatives.

HG6100X
Anesthesia System

ADULT · PEDIATRIC   Friendly Powerful Reliable

HG6100X *Anesthesia System*

Application

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

Professional design for adult, children and neonatal inhalation anesthesia and respiratory management, with advanced ventilation modes. Outstanding ergonomic design, it ranks high level in safty, stability and convenience as well as user experiences.

HG6100X latest model with the highest technology, more comfortable for doctors and more safety for patients.

Trust point

- Patient Centered Ventilation: Precision in an anesthesia ventilator, from conventional ventilation to advanced modes and adapt to wide range patient.
- Safty design: Vaporizer with temperature, pressure, flow compensation and self-lock function. Real time pressure-time, flow-time loop oscillogram and high precision $ETCO_2$, O_2 concentration detection function included.
- Alarm: 13 alarms to make sure the safety. Three level alarm system, visual and sound alarm information.

- Built-in battery ensure 2-3 hours using when power failure.
- Visible self-checking system: Make sure the safety of all parts.
- Before setting parameters, choose freely type of patients: adult, children and neonatal. Also preset the age of patient.
- Separate design of electric circuit and gas circuit ensure long using life.
- Language: 8 languages for exchange including Chinese, English, Spanish, French, Russian, Turkish, German, Portuguese.

15" TFT LCD touch screen

Extra-large screen, high sensitivity touch give you better operating experience. Displays the Ventilation parameters, Alarm information and Oscillograms.

Built-in electronic flowmeter

High precision flowmeter, instantly know the fresh gas flow to your patient. O_2 and N_2O linkage device ensure O_2 concentration no less than 25%.

O_2 and air supply

Provide fresh oxygen or air to the patient for independent use.

Breathing circuit and bellow

Integration breathing circuit and bellow design, ensure easy operating and keep tidy. With bypass and heating function.

Oxygen concentration detector

Real-time monitoring of oxygen concentration for safety.

APL valve

Decompression automatic to ensure safety.

CO_2 absorber 1.5L

With bypass function and heating function, can be directly disassembled and replaced the Soda Lime during operation. Make sure the comfort level of patients and also avoid backflow of condensate water.

LED top light

Convenient for endoscopy operation.

Vaporizer

Accurately delivers a calibrated flow, Halothane, Enflurane, Isoflurane, Sevoflurane for choice. Suitable for low flow anesthesia, save cost.

Mechanical flowmeter

Emergency situation and spare-use for doctor.

Pressure gauge

Real time pressure.

Handle

Easy and safety transport.

ACGO and fast oxygen supply

Emergency situation and revival after operation.

Drawer

2 drawers with large capacity.

Pedal and central brake system

User friendly design convenient for keep the machine stable.

6 auxiliary plugs

Plugs of monitors can be inserted.

VGA RS232 USB connector and $ETCO_2$

Connect with hospital's system and output patient information.
End-tidal carbon dioxide concentration monitoring, real-time understanding of the state of the patient.

AGSS (optional part)

To enhance the safety of the environment in which members of staff in close proximity with waste anesthetic gases and vapors (agents) work.

Other optional parts

Anesthetic gas monitor, Vital signs monitor: Real-time monitoring of anesthetic gas and patient's physiological condition.