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## Technical Specifications

### Ventilation modes

IPPV, A/C, SIMV, SPONT/CPAP, MANU

### Ventilator parameter ranges

Tidal volume (Vt)	0, 20 mL ~ 1500 mL
Frequency (Freq)	1 bpm ~ 100 bpm
I/E	4 : 1 ~ 1 : 8
Oxygen concentration	45 % ~ 100 %
PEEP	0 cmH <sub>2</sub> O ~ 20 cmH <sub>2</sub> O
Pressure triggering sensitivity (PTR)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
SIGH	0 (off) 1 / 100 ~ 5 / 100
Apnea ventilation	OFF, 5 s ~ 60 s

### Monitored parameters

Frequency (Freq)	0/min ~ 100/min
Tidal volume (Vt)	0 mL ~ 2000 mL
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
Oxygen concentration	15 % ~ 100 %

### Wooden case packing size

Main components: L 560 \* W 560 \* H 615 mm  
 G.W. : 35 KG, N.W. : 17 KG  
 Trolley: L 650 \* W 690 \* H 520 mm  
 G.W. : 38 KG, N.W. : 18 KG

### Alarm and protection

The AC power failure alarm	Power failure or no connection
Internal backup battery low voltage alarm	< 11.3 ± 0.3V
No tidal volume	No tidal volume within 6 s
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	1 L/min ~ 99 L/min
Low minute volume alarm	0 L/min ~ 20 L/min
Continuous pressure alarm	(PEEP + 1.5 kPa) over 16 s
Suffocation warning	5 s ~ 60 s no spontaneous ventilation

### Working conditions

Gas source	O <sub>2</sub>
Pressure	280 kPa ~ 600 kPa
Voltage	220 V ± 22 V
Power frequency	50 Hz ± 1 Hz
Input power	40 VA

### Oscillographs display

P - T (Pressure - Time)  
 F - T (Flow - Time)



S1100



S1200



S1600



## S1600 ICU Ventilator

*Friendly Powerful Reliable*

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# S1600 ICU Ventilator

## Application

The ventilator is suitable for various kinds of medical institutions for cardiopulmonary resuscitation respiratory support, acute respiratory failure caused by various reasons or incomplete oxygenation dysfunction, intra-operation and post-operation respiratory support, and other respiratory treatment.

## Features

- 10.4" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Recyclable silicon breathing circuit, ensure easy operating and keep hygiene.
- Multiple working modes such as volume control and pressure limit, adapt to wide ranges of patients.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Real time pressure-time, flow-time oscillographs and high precision oxygen concentration detection function included.

## Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.
- Self-check before running, eliminate system mistake.
- Separate design of electric and gas, keep safe running of ventilator.

11 types of alarm and protection function

10.4" TFT LCD screen display, screen saver mode

Two types of oscillographs

2 minutes fast oxygen supply

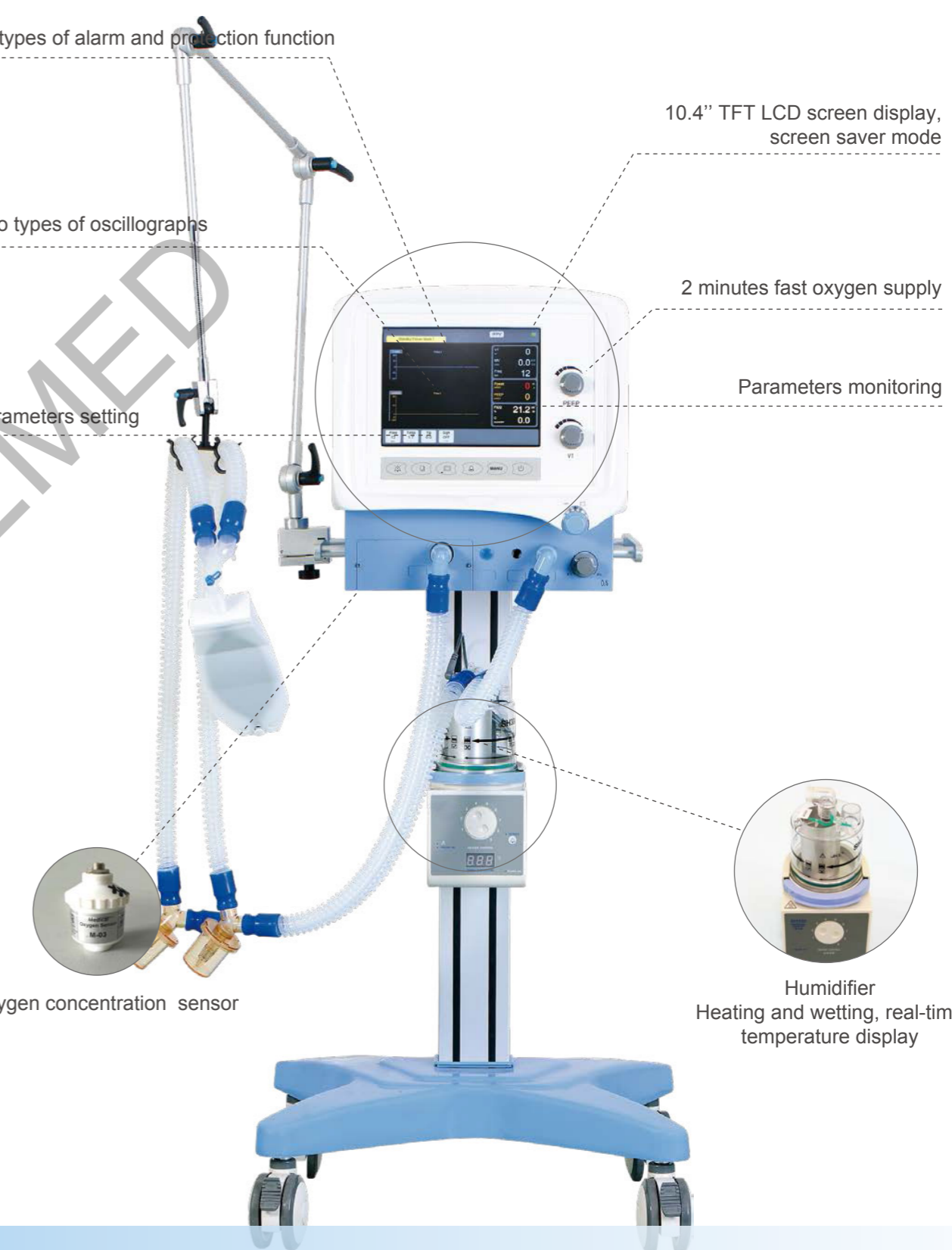
Parameters setting

Parameters monitoring

Oxygen concentration sensor

Humidifier  
Heating and wetting, real-time temperature display

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