Technical Specifications

Ventilation modes

IPPV, A/C, PCV, SIMV, SPONT/CPAP, PSV

Ventilator parameter ranges

Tidal volume (Vt)	0 ~ 2000 ml
Frequency (Freq)	1 bpm ~ 100 bpm
Oxygen concentration	21 % ~ 100 %
I / E	4 : 1 ~ 1 : 8
PEEP	0cmH_2O ~ 40 cmH_2O
Pressure triggering sensitivity (PTr)	-20 cmH_2O ~ 20 cmH_2O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
Pressure control (PC)	5 cmH_2O ~ 80 cmH_2O
Pressure support (PS)	0 cmH_2O ~ 80 cmH_2O
SIGH	0 (off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s
Pressure limit	20 cmH_2O ~ 100 cmH_2O

Monitored parameters

Frequency（Freq）	0 / min ~ 100 / min
Tidal volume(Vt)	0 ml ~ 2500 ml
MV	0 L/min ~ 99 L/min
Airway pressure	0 cmH_2O ~ 100 cmH_2O
Dynamic lung compliance testing	1 ml /cmH_2O ~ 1000 ml /cmH_2O
$ETCO_2$ concentration	0 mm Hg ~ 152 mmHg (0 % ~ 20 %)
Oxygen concentration	15 % ~ 100 %

Wooden case packing size

Main components: L 560 * W 560 * H 605 mm
G.W. : 35 KG, N.W. : 17 KG
Air compressor: L 670* W 700 * H 1160 mm
G.W. : 79 KG, N.W. : 46.2 KG

Alarm and protection

AC power failure alarm	Power failure or no connection
Internal backup battery low voltage alarm	≤ 11.3 ± 0.3 V
No tidal volume	No tidal volume within 6 s
High minute volume alarm	5 L/min ~ 99 L/min
Low minute volume alarm	1 L/min ~ 30 L/min
High airway pressure alarm	20 cmH_2O ~ 100 cmH_2O
Low airway pressure alarm	0 cmH_2O ~ 20 cmH_2O
High oxygen concentration alarm	19 % ~ 100 %
Low oxygen concentration alarm	18 % ~ 99 %
Continuous pressure alarm	(PEEP + 1.5 cmH_2O) over 16 s
Suffocation warning	5 ~ 60 s
Fan error	Show on screen
Oxygen deficit	Show on screen
The maximum limited pressure	< 12.5 kPa

Working conditions

Gas source	O_2, AIR
Pressure	280 kPa - 600 kPa
Voltage	220 V ± 22 V
Power frequency	50 Hz ± 1 Hz
Input power	900 VA (With air compressor)
	250 VA (Without air compressor)

Oscillographs display

P - T (Pressure - time)
F - T (Flow - time)
P - V loop (Pressure - volume loop)
V - T (Volume - time)
$ETCO_2$ - T (End-tidal CO_2 - time)


S1100


S1200


S1600

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WANROOE MEDICAL

S1200 ICU Ventilator

ADULT · PEDIATRIC

Friendly Powerful Reliable

S1200 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-operating respiratory support, and other respiratory treatments.

Features

- 15” TFT LCD touch screen displays the ventilation parameters, alarm information and oscillographs. Touch screen makes the operation more simple.
- Air compressor runs stably with low noise, creates quiet environment for doctors and patients.
- Recyclable silicon breathing circuit, ensure easy operation and keep tidy.
- 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, volume-time, $ETCO_2$ (End-tidal CO_2 - time), pressure volume loop oscillographs, and high precision oxygen concentration detection function included.
- Electronic PEEP control.
- Breathing valve can be disassembled and disinfect.

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 circuit and gas flow route, keep safe running of ventilator.

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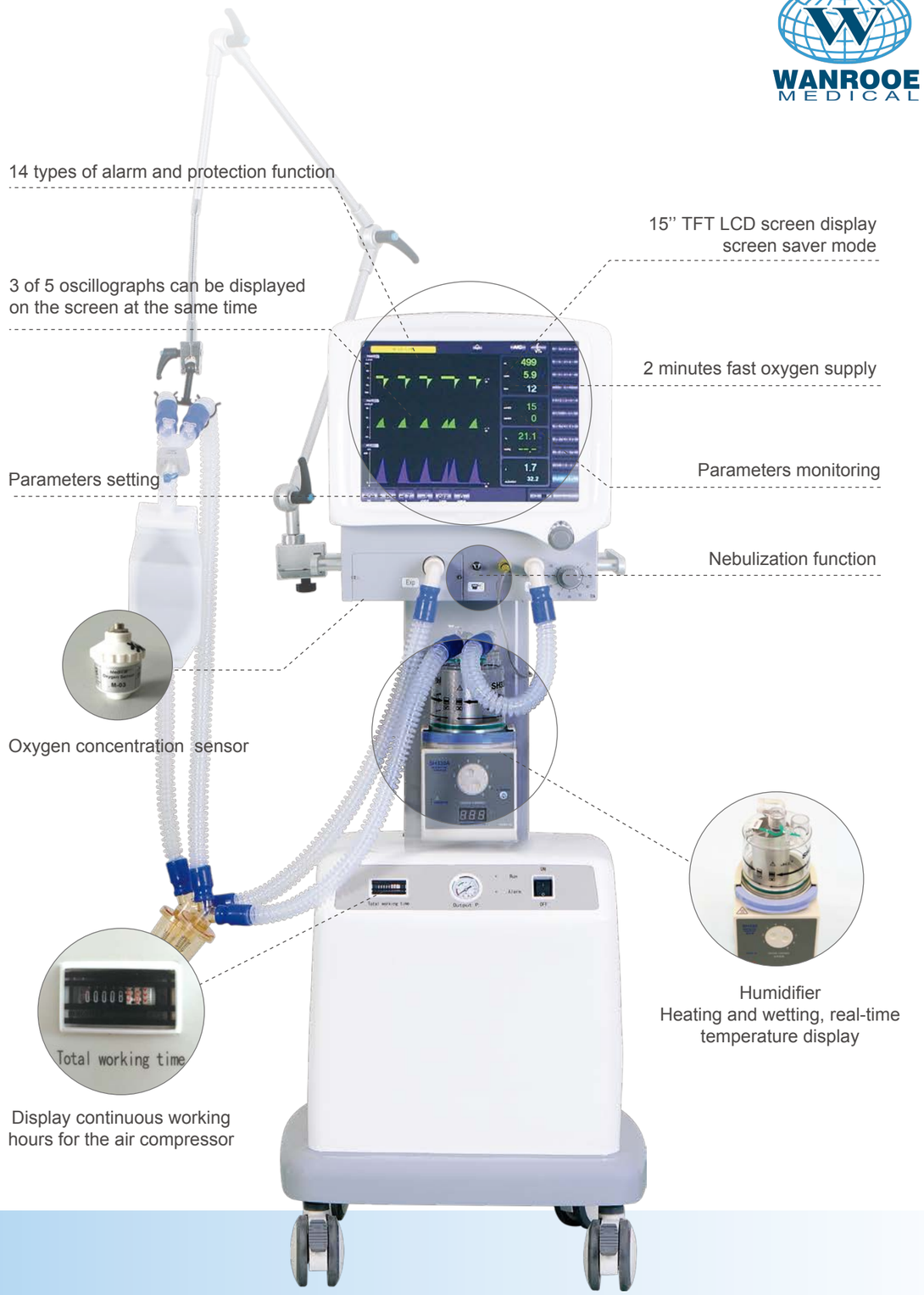

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