



# Shangrila 510S

Portable Ventilator

TECHNICAL  
DATA

**AEO MED**  
Reliable Quality Thoughtful Service

Shangrila 510S is a universally used model. Not only for emergency ventilation, but also it is suitable for ideal transport ventilation. The circumstances include on-site emergency treatment, pre-hospital transport, inter-hospital transport, and even intra-hospital transport.



## Patient Type

Adult, Child, Infant (>3.5 kg)

## Ventilation Modes

A/C-V with Sigh	A/C-P
SIMV-V	SIMV-P
SPONT/PSV	CPAP
MANUAL	

## Enhancements

Apnea back-up ventilation	Manual breath
Alarm silence	

## Parameter Setting

Tidal volume (Vt)	0-2000 mL
Pinsp	5-50 cmH <sub>2</sub> O
Psupp	0-50 cmH <sub>2</sub> O
CPAP (NIV)	0-30 cmH <sub>2</sub> O
PEEP	0-30 cmH <sub>2</sub> O
Pressure trigger	-20-0 cmH <sub>2</sub> O
Flow trigger	2-30 L/min
Frequency (f)	1-120 bpm (A/C) 1-40 bpm (SIMV)
I:E ratio	4:1-1:10
Pause time (Tpause)	0-5 s
O <sub>2</sub> concentration	40-100 %
Inspiration flow	Max. 90 L/min

## Monitoring Data

MV	VT	Frequency (f)
FiO <sub>2</sub>	Ppeak	PEEP

## Waveform Display

P-T	F-T
-----	-----

## Alarm Setting

High MV	OFF, 1-25 L
Low MV	OFF, 0-24 L
High FiO <sub>2</sub>	OFF, 50-100 %
Low FiO <sub>2</sub>	OFF, 35-99 %
High Paw	6-80 cmH <sub>2</sub> O
Low Paw	0-40 cmH <sub>2</sub> O
AC power failure	Gas supply down
O <sub>2</sub> deficiency	MV high
Low battery	No VT
Apnea	CP high

### Language

Chinese	English
Spanish	Italian
Turkish	Other languages

### Environmental Requirements

#### Temperature

Operating condition	-18-50 °C
Storage condition	-20-60 °C

#### Relative humidity

Operating condition	15-95 %
Storage condition	10-95 %

#### Barometric pressure

Operating condition	70-110 KPa
Storage condition	50-110 KPa

### Electrical

AC voltage	100-240 V, 50/60 Hz
DC voltage	12 V
One battery run time	Minimum 4.5 hours
Two batteries run time	Minimum 10 hours









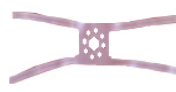
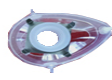
### Gas Supply

Supply pressure (O2)	250-600 kPa
Flow	Max. 180 L/min

### Physical Specifications

Total Weight	8 kg
Dimension (H*W*D):	168* 156 *300 mm
LCD screen	5" TFT
Communication Ports	RS232

## 510S-Service kits

No.	Part Name	Remarks	Part Number	Photo of Appearance	Quantity / Sets	Replacement Period
1	Air filter sponge	Filtering the air	130000948		5	1 year or as needed
2	Sampling silicone tube	Connecting to the flow sensor port of main unit	122009641		2	1500 times or as needed
3	Silicone circuit (1.4m, Φ3x1.5)	Connecting to the control port of main unit (1.4m, Φ3x1.5)	230000394		2	1500 times or as needed
4	Expiratory valve diaphragm	Used to connect the breathing circuit	130018248		5	Reusable
5	Flow sampling probe	1500 times or as needed	230000092		5	Reusable
6	Breath Control Valve	Used to connect the breathing circuit	240001253		5	Reusable
7	Breathing bag 1L	Used to connect the breathing circuit	230001556		1	Reusable
8	Silica Gel Screw Thread Tube φ22-(1.2m, Φ22)	Used to connect the breathing circuit	230000317		2	Reusable
9	Head Belt (Adult size)	Used to hold the mask	230000078		5	Reusable
10	Adult Mask (Adult size)	Used to patient	230000131		5	Reusable