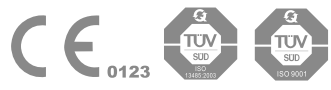




# Emergency and Transport Ventilator



**75** | Emergency & Transport Ventilator



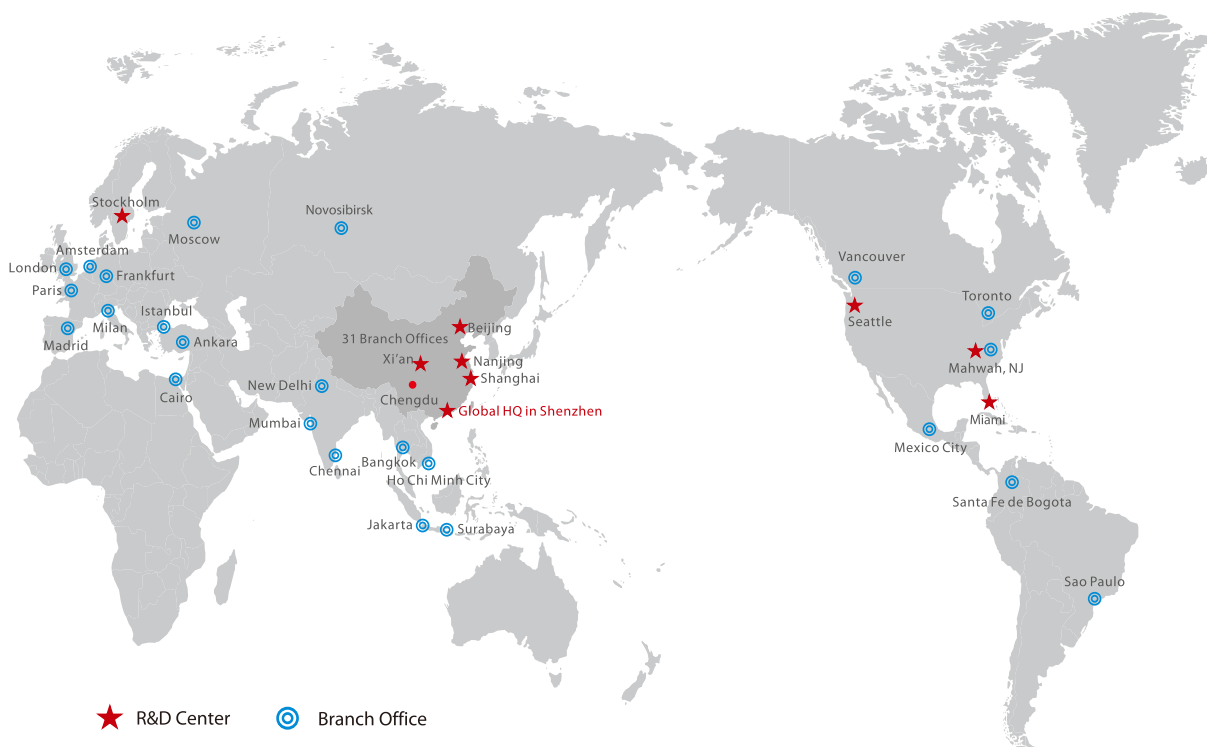
# Product Model/Specification & Classification Instruction

Product Model: T5 & T7 with model differences detailed as follows.

Function Items		Model	
		T5	T7
Ventilation mode	IPPV	●	●
	V-A/C	●	●
	V-SIMV	●	●
	P CV	●	●
	P-A/C	●	●
	P-SIMV	●	●
	CPAP	●	●
	CPAP +	×	○
	BiPPV	×	○
	APRV	×	○
	PRVC	×	○
	PRVC+	×	○
	BiPPV+	×	○
	APRV	×	○
Other function	Manual	●	×
	CPR	○	○
	RSA	×	○
	EtCO2	○	○

Note 1: In this table, “●” stands for standard configuration, “○” for optional configuration, and “×” for not configurable.

Note 2: In this table, the “+” means PSV is added in this mode.



# Ventilator's Control Parameters

Control Parameters	Items	Model	
		T5	T7
Respiratory frequency	Adjusting range	0, 1bpm~120bpm	
	Adjusting step length	1bpm	
	Accuracy	±1Bpm or ±5% whichever is higher	
Inspiration/expiration ratio	Adjusting range	9:1~1:9	59:1~1:99
	Adjusting step length	0.1	
	Accuracy	The 4:1~1:4 range±10% is required; others beyond it are not defined.	
Tidal volume	Adjusting range	50mL~2500mL	20mL~2500mL
	Adjusting step length	5mL	
	Accuracy	±30ml or ±15% whichever is higher	±15ml or ±15% whichever is higher
Oxygen concentration	Adjusting range	40%, 100%	40%, 100%
	Adjusting step length	/	10%
	Accuracy	±10% (v/v)	
Suction pressure	Adjusting range	5cmH2O~60cmH2O	3cmH2O~60cmH2O
	Adjusting step length	1cmH2O	
	Accuracy	±2cmH2O or ±10% whichever is higher	
Limited airway pressure	Adjusting range	15cmH2O~70cmH2O	
	Adjusting step length	1cmH2O	
	Accuracy	±2cmH2O or ±10% whichever is higher	
Trigger pressure	Adjusting range	-20cmH2O~20cmH2O	
	Adjusting step length	1cmH2O	
	Accuracy	±1cmH2O or ±10% whichever is higher	
Continuous positive airway pressure/positive end-expiratory pressure CPAP/PEEP	Adjusting range	0cmH2O~30cmH2O	
	Adjusting step length	1cmH2O	
	Accuracy	±2cmH2O or ±10% whichever is higher	
Pressure support	Adjusting range	0,3cmH2O~35cmH2O	
	Adjusting step length	1cmH2O	
	Accuracy	±2cmH2O or ±10% whichever is higher	
Trigger flow	Adjusting range		1L/min~15L/min
	Adjusting step length		1L/min
	Accuracy		±1L/min or ±15% whichever is higher
Pause time ratio	Adjusting range	0%~80 %	
	Adjusting step length	5%	
	Accuracy	10%	
Pressure increase time	Adjusting range	Slow/Normal/Fast	0.1s~2s
	Adjusting step length	/	0.1s
	Accuracy	/	±0.2s or ±20% whichever is higher
Expiration trigger sensitivity	Adjusting range	/	5%~80 %
	Adjusting step length	/	5%
	Accuracy	/	15%
Oxygen inhalation flow rate	Adjusting range	/	2L/min~30L/min
	Adjusting step length	/	1L/min
	Accuracy	/	±1L/min or ±15% whichever is higher

## Ventilator's Other Performance Indicators

Items	Model	
	T5	T7
Max. ventilation flow rate	≥80L/min(@450kPa)	≥150L/min(@450kPa)
Sigh ventilation function	When setting the SIGH function, the tidal volume of sigh ventilation shall be 1.5-2.5 times of the tidal volume preset.	
Inspiration/expiration resistance	When the flow is 30L/min and 60L/min respectively, inspiration/expiration resistance shall be no more than 6cmH2O.	
Spontaneous respiration resistance	When the flow is 15L/min and 30L/min respectively, inspiration resistance shall be no more than 6cmH2O.	
Inspiration safety valve	When ventilator is powered off or out of gas, the patient may breath the fresh air through the safety valve.	
Air circuit system safety pressure	Air circuit maximum safety pressure no more than 100cmH2O	
CPR ventilation function	CPR operation/prompt function supported	
RSA ventilation function	/	RSA ventilation function supported
Manual ventilation function	Ventilation function can be performed manually	/
System noise	65dB A	
Multilingual Switch	Multilingual operation interface is switchable via menu.	

## Emergency and Transport Ventilator



**T7** | High-end Ventilator  
for Emergency and  
Transportation

## Ventilator's alarm parameters

Alarm parameters		Items	Model		
			T5	T7	
Upper limit of minute ventilation	Setting Range	1L/min~80L/min	1L/min~120L/min		
	Alarm level	High			
Lower limit of minute ventilation	Setting Range	0L/min~79L/min	0L/min~119L/min		
	Alarm level	High			
Upper limit of airway pressure	Setting Range	15cmH2O~70cmH2O			
	Alarm level	High			
Lower limit of airway pressure	Setting Range	0cmH2O~60cmH2O			
	Alarm level	High			
Respiratory frequency alarm	Upper limit	Setting Range	10bpm~125bpm		
		Alarm level	Medium		
	Lower limit	Setting Range	/	0bpm~115bpm	
		Alarm level	/	Medium	
Suffocation alarm time	Setting Range	5~60 s			
	Alarm level	High			
Upper limit of tidal volume	Setting Range	120mL~3000mL	50mL~3000ml		
	Alarm level	Medium			
Lower limit of tidal volume	Setting Range	20mL~2400mL	0mL~2400ml		
	Alarm level	Medium			
Upper limit of Et-CO <sub>2</sub>	Setting Range	1mmHg~150mmHg			
	Alarm level	High			
Lower limit of Et-CO <sub>2</sub>	Setting Range	0mmHg~149mmHg			
	Alarm level	High			
Gas supply pressure alarm	Gas supply pressure low	Alarm voice	Gas supply pressure below 270 kPa		
		Alarm level	Medium		
	Gas supply pressure high	Alarm voice	/	Gas supply pressure higher than 600kPa	
		Alarm level	/	High	
	No gas supply pressure	Alarm voice	Gas supply pressure below 70 kPa		
		Alarm level	High		
System power supply alarm	Adapters falling off	Alarm voice	Adapter fails to be connected		
		Alarm level	Medium		
	Low battery	Alarm voice	Minimum work time between alarm and shutdown is 20min		
		Alarm level	Medium		
	Insufficient battery capacity	Alarm voice	Battery level is running out		
		Alarm level	High		
Respiratory system integrity alarm	Alarm voice in different alarm levels	When respiratory circuit is off, ventilator shall, within 3 respiratory cycles, trigger the "Respiratory System Fails to Connect Alarm", and give off the voice prompt of "Check Respiratory System & Settings". High level.			
Mute alarm	Period	≤120s			

## Ventilator's Other Performance Indicators

Monitoring parameters	Items	Model	
		T5	T7
Respiratory frequency	Monitoring range	0bpm~120bpm	
	Accuracy	±1Bpm or ±5% whichever is higher	
Tidal volume	Monitoring range	0mL~3000mL	
	Accuracy	±30mL or±15% whichever is higher	±15mL or±15% whichever is higher
Minute ventilation	Monitoring range	0L/min~80L/min	0L/min~120L/min
	Accuracy	±0.5L/min or±15%whichever is higher	
Oxygen concentration	Monitoring range	/	40%~100 %
	Accuracy	/	±10% (v/v)
Airway pressure	Monitoring range	-100cmH2O~20cmH2O	
	Accuracy	±2cmH2O or±10% whichever is higher	
Et-CO <sub>2</sub>	Monitoring range	0mmHg~150mmHg	
	Accuracy	(0~40 mmHg):±2mmHg; (41~70 mmHg):±5%; (71~100 mmHg):±8%; (101~150 mmHg):±10%	
Wave display	Pressure waveform	Display pressure time waveform	
	Flow waveform	/	Display flow time waveform
	Volume waveform	/	Display volumetric time waveform
Ring diagram display	P-V Ring	/	Display pressure volume ring diagram
	P-V Ring	/	Display flow volume ring diagram
	P-V Ring	/	Display flow pressure ring diagram



Add: 8/F, Building C, Skyworth Innovation Valley, Tangtou 1st Road, Shiyan, Baoan District, Shenzhen, China, 518108  
 Tel: +86-755-26073861  
 Fax: +86-755-23016012  
 Email: info@ambu-lanc.com  
 www.ambulgroup.com