

## SPECIFICATIONS

### Operating Conditions

Operating temperature	10°C - 40°C
Operating humidity	≤80%
Operating altitude	70kPa - 106kPa
Storage temperature	-20°C - +55°C
Storage humidity	≤93%
Storage altitude	70kPa - 106kPa
Power supply AC	100 - 240V, 50Hz/60Hz
Battery, usage time	DC24V, 2.3AH, 12V lead-acid battery, 120min

### Physical Specifications

Machine frame: HxWxD	1403 x 704 x 750(mm)
Machine weight	105kg
Top shelf weight limit	25kg
Drawer amount	2
Wheel diameter	125mm

### Fresh Gas Delivery

Gas type	3
Flowmeter	E-flowmeter
O <sub>2</sub>	0.05 - 10L/min
N <sub>2</sub> O	0.05 - 10L/min
AIR	0.05 - 12L/min
O <sub>2</sub> / N <sub>2</sub> O ratio control	ORC
N <sub>2</sub> O cut valve	Integrated
Cylinder	2
O <sub>2</sub> flush	25 - 75L/min

### Ventilator

Driving method	Pneumatically driven electronically controlled
Tidal volume	20 - 1500 ml
Incremental settings	20 - 100mL (increments of 5mL) 100 - 1000mL (increments of 10mL) 1000 - 1500mL (increments of 50mL)
Target pressure	5 - 70cmH <sub>2</sub> O
Support pressure	3 - 50cmH <sub>2</sub> O
Breathing frequency	4 - 100bpm, 2 - 60bpm (PS)
I:E	4:1 - 1:8
Inspiratory time	0.2 - 5.0s
Inspiratory pause	OFF, 5% - 60%
PEEP	OFF, 3-30 cmH <sub>2</sub> O
Flow trigger	1 - 15L/min
Pressure range at inlet	280 - 600kPa
Minute Volume (MV)	Maximum 20L/min
Peak gas flow	Maximum 75L/min

### Ventilation Modes

IPPV (VCV), PCV, SIMV-PC  
SIMV-VC, PS, PCV - VG, Manual

### Breathing System

Breathing system compliance	3.0ml/cmH <sub>2</sub> O
Manual bag	3L
Integrated heating module	
Fresh gas compensation	
APL valve	0-70cmH <sub>2</sub> O
Tactile knob indication	0, 30, 50, 70cmH <sub>2</sub> O
Quick exhausting function of APL valve	
Absorber canister	3L
Bag arm connector	
Auto-manual switch	
O <sub>2</sub> sensor	Chemical O <sub>2</sub> sensor
Vaporizer mounting position	2
Mounting type	Selectatec®
Monitor System Display	Built-in 12.1" color touch screen

### Monitor Parameter

Tidal Volume	0 - 3000ml
Frequency	0 - 110bpm
Mean pressure	-20 - 99 cmH <sub>2</sub> O
Peak pressure	-20 - 99 cmH <sub>2</sub> O
Plateau pressure	-20 - 99 cmH <sub>2</sub> O
PEEP	-20 - 99 cmH <sub>2</sub> O
FiO <sub>2</sub>	18 - 100%
CO <sub>2</sub> waveform	Optional
Paw-t waveform, Flow-t waveform	
Compliance	0 - 100ml/cmH <sub>2</sub> O
EtCO <sub>2</sub>	Optional
Anesthetic Agent monitor	Optional

### Patient Spirometry

Respiratory loop	P-V, F-V
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### Others

Absorber device volume	3L, double layer
Auxiliary O <sub>2</sub> supply	Flow tube
Auxiliary AC power outlet	1.5A (each)x4=6A
Auxiliary Common Gas Outlet (ACGO)	
Communication port	RS-232C compatible serial interface

# Pasithec II



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The \* marked accessories/ functions are optional.

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## Pasithec II

is an advanced anesthesia system that provides accurate setting and monitoring

It has a user-friendly design, incorporates new technology and provides safe and effective treatment options for clinicians. PASITHEC II has a wide range of modern ventilation modes providing flexibility in your choice of ventilation strategy. It is suitable for pediatric and adult operation. PASITHEC II is filled with many features for outstanding usability including auxiliary power outlets.

### INTUITIVE USER INTERFACE & POWERFUL MONITORING FUNCTIONS

The rotatable and titled high-resolution 12.1" TFT LCD touch screen along with a navigator wheel knob provides a simple intuitive interface that enhances clinicians' controlling.

The waveforms and alarm records are clearly shown for easy review by the clinician of the patients treatment information.



### DIGITAL FLOWMETER WITH SAFE GAS CONTROL SYSTEM

The flowmeter system provides a minimum 21% concentration of oxygen in the O<sub>2</sub>/N<sub>2</sub>O mixture by means of a reliable pneumatic Oxygen Ratio Controller (ORC).

The Digital Flowmeters for O<sub>2</sub>, AIR and N<sub>2</sub>O are designed especially for low-flow applications. This system includes electronic fresh gas flow displays along with traditional mechanical flow controllers and flow control knobs for enhanced patient safety.



### ADVANCED BREATHING SYSTEM

Advanced features for therapy delivery are also easy to use. The single-turn APL valve on PASITHEC II includes a quick-release function to quickly lower patient's breathing pressure and accurately set pressure limit.

Magnesium aluminum alloy breathing system which is anticorrosion and freehand disassembly, evenly gas heating makes patients more comfortable and protect their airway at the same time.

### EXTRA AUXILIARY FUNCTIONS BUILD UP A WORKSTATION

Array side rail on both sides can mount related medical devices to build up a workstation.

Auxiliary oxygen flowmeter, auxiliary power outlets improve the usability.

Standard Selectatec-compatible mounts hold two vaporizers.

