

STANDARD MEDICAL CORPORATION

Anaesthesia Workstation

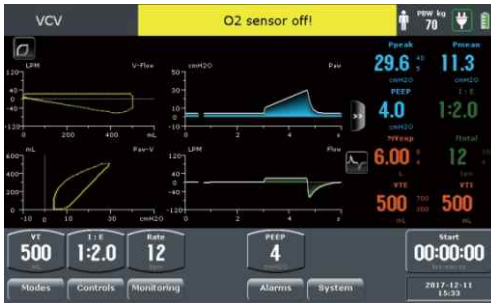


## **MORTON 25**

Anaesthetic workstation for operation room

**10.2" Touch screen** Color TFT

# MORTON 25 Anaesthesia Workstation



- ◆ 10.2" touch-screen and intuitive user interface enables clinicians to easily operate and monitor.
- ◆ VCV, PCV, PSV(BACKUP), SIMV-VC, SIMV-PC,MAN./SPONT,PRVC, SIMV-PRVC(optional)
- ◆ General purpose device for all patient groups, from neonates to adults.The minimum setting tidal volume down to 10 ml (optional).



- ◆ The ventilator can automatically set ventilation parameters and alarms based on the IBW calculated from the patient height input,so less time is spent maneuvering and more time is devoted to patient care.

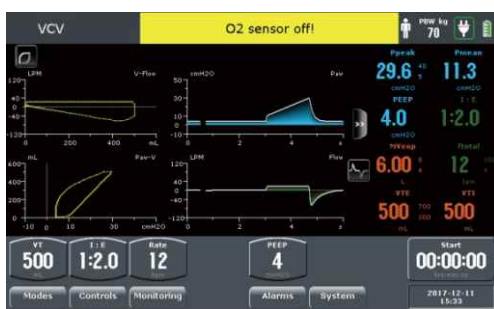


- ◆ Automatic fresh gas compensation maintain accurate tidal volumes with a wide range of fresh gas flows.
- ◆ More than 90 min continuous operating time with large capacity Lithium battery.



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- ◆ ACGO  
Auxilliary Common Gas Outlet(ACGO)



- ◆ Selectable five waveforms and three loops display,waveforms and loops display is easy to switch.

- ◆ Electronic PEEP-accurate and convenient
- ◆ Integrated pulse oximetry and sidestream capnography (optional)



# MORTON 25 Anaesthesia Workstation

## Technical specifications

### Mode of Ventilation

VCV,PCV,SIMV-VCV,SIMV-PCV  
PS with Backup mode(VCV or PCV)  
Manual/Spontaneous with respiratory monitoring  
PRVC,SIMV-PRVC (optional)

### Ventilation Settings

Tidal Volume	50~1500ml 10~50ml (optional)
Frequency	1~100bpm
T <sub>insp</sub>	0.1~10.0s
I:E	4:1~1:10
Pause	0~50%
PEEP	OFF,3~20
Pressure Support	0~80cmH <sub>2</sub> O
Pressure Control	5~80cmH <sub>2</sub> O
F <sub>sens</sub>	0.5~20L/min
P <sub>sens</sub>	0~20cmH <sub>2</sub> O
T <sub>slope</sub>	0~2s
E <sub>sens</sub>	5~80%

### Monitoring

VTI	0~2500ml
VTE	0~2500ml
MV exp	0~60L/min
MV spn	0~60L/min
f <sub>total</sub>	0~100bpm
f <sub>spn</sub>	0~100bpm
I:E	9:1~1:99
P <sub>peak</sub>	0~100cmH <sub>2</sub> O
P <sub>mean</sub>	0~100cmH <sub>2</sub> O
PEEP	0~100cmH <sub>2</sub> O
P <sub>plat</sub>	0~100cmH <sub>2</sub> O
P <sub>min</sub>	-20~100cmH <sub>2</sub> O
FiO <sub>2</sub> (optional)	15~100%
C <sub>st</sub>	0~300ml/cmH <sub>2</sub> O
C <sub>dyn</sub>	0~300ml/cmH <sub>2</sub> O
R <sub>st</sub>	0~600ml/cmH <sub>2</sub> O/L/S
EtCO <sub>2</sub> (optional)	0~13.3%
FtCO <sub>2</sub> (optional)	0~13.3%

### Alarms

#### Minute Volume

Low Limit Range	0~98L
High Limit Range	1~99L

#### Breath Rate

Low Limit Range	0~79bpm
High Limit Range	1~100bpm

### Airway Pressure

Low Limit Range	0~98cmH <sub>2</sub> O
High Limit Range	6~99cmH <sub>2</sub> O

### FiO<sub>2</sub>

Low Limit Range	18~99%
High Limit Range	19~100%,OFF

### Expiratory Tidal Volume

Low Limit Range	OFF,10~2990ml
High Limit Range	20~3000ml

### EtCO<sub>2</sub>(optional)

Low Limit Range	0~13.2%
High Limit Range	0.1~13.3%

### Apnea Time

High Limit Range	10~60s
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### Electrical Specifications

#### Power

Mains Power Supply	100~240VAC 50/60Hz
Current Input	2A max
Power Consumption	Approx. 90VA

#### Backup Battery

Battery Type	Lithium Battery
Operating time	More than 90 min
Charge time	4 hours max

### Pneumatic Specifications

Gas Supply	O <sub>2</sub> /N <sub>2</sub> O or O <sub>2</sub> /Air
Gas Supply Requirement	280~600kPa

### Environmental Specifications

#### Operating Environment

Temperature	10~40°C
Humidity	5~95%(noncondensing)
Barometric	70~106kPa

#### Storage Environment

Temperature	-20~60°C
Humidity	5~95%(noncondensing)
Barometric	50~106kPa

### Machine Specifications

Height	1370mm
Width	900mm
Depth	630mm
Weight	90kg

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