X45

Anesthesia Machine
Promed

Multiple functions to focus on the needs of each patient!

Top Tray Night Light

Load weight 30 kg, Height: 1,410 mm, Width: 550 Depth: 350, LED light lamp located in the bottom of the tray to illuminate the entire work surfaces

Monitoring interface

General configuration parameters, Measurement and graphical trends are displayed on the screen.

Anesthesia ventilator:

Tidal Volume: (20 ~ 1,500 ml)

User friendly interface:

10.4 LED TFT touch screen" for easy review and operation

Vaporizers

It has a station to place two vaporizers of simultaneously selc tatec technology

Drawer

Dimensions: 200 x 392 x 398 (H x W x D) x 2, max 3 optional.

Monitoring interface

User friendly interface:

Vaporizers

Multiple functions to focus on the needs of each patient!

Gas supply with 6 tubes (flow meter)

It has 6 tubes for measuring each of the gases. It has a LINK-25 system for protection against hepatic mixture.

Absorber

Integrated bypass type absorber, with heating system, sterilizable at 134°C, Bypass system which allows the changing soda without the need for stop the surgery.

Suction

Suction system for patient suction with a regulator and reusable container

(Optional)

Antistatic wheels

Diameter 125 mm, two four-wheel brakes.

Active gas evacuation system (optional)

Gas evacuation system

Independent asset, prevents the anesthesia air pollution in the operating room

Sterilizable Absorber

Antistatic wheels

System specifications

Technical parameters	Specification
Machine	
Dimensions	1410 x 950 x 650 (H x W x D)
Weight	110 kg
Weight on tray	30 Kg
Size	580 x 400 mm
Monitor	
Guy	Color TFT (touch screen)
Size	10.4 inches
Resolution	600X800 pixels
work surface light	LED
LED indication	
	Alarm indication AC power supply Battery
Audio instruction	
Speaker	Alarm sounds
Control	button
Interface	R5232, VGA, USB Three auxiliary output power interface
Means of movement	
Wheels	4 wheels diameter <13 125mm (2 Brake)
Toolbox	
Drawer	200 x 392 x 398 x 2 (HxWxD)X2
Respiratory system	
Low Air	1500ml
Absorption chamber	1500ml
Connection	ACGO Suction/Ports: Standard OD 22mm, ID 15mm, conical connector; Exhalation ports: Standard OD 22mm, ID 15mm, conical connector. Manual breathing port: Diameter ÿ 22cm
System leaks	<40ml/min}
System consumption	Type s 4 ml/cmHzo
Endurance	Inspiratory <0.6 kPa; Expiratory <0.6 kPa

Vaporizer

Parameters	Description
Technical Specifications	
Flow rate range:	0.2-15Umin
Connector Type:	Selectatec compatible, plug, cagemount
Methods Dosage:	Pour-fil, Easy-fil, Quik-fil (sevoflurane)
Work environment	
Working temperature:	1 5 C ~ 35ÿC
Relative humidity:	<93%
Atmospheric pressure	70 kPa ~ 106kPa
Temperature of storage:	-40ÿC ~ +65ÿC
Concentration:	0-5.0%: Isoflurane, enflurane, halothane 0 ~ 8.0%: sevoflurane

Main technical parameters

Parameters	Description
Basic Function	Display: 10" TFT, touch screen, Ventilation Model: VCV, PCV, PSV, SIMV-VC, Manual/ Spont, standby Tidal volume: (20 ~ 1500 ml) Electronic PEEP, Top light
Waveform	Paw-T, Flow-T, VT, T-CO2
Loop	PV,VF(Optional)
Pressure control	Control: 02, N20, Air Cylinder: 02, N20
monitoring parameter	Tidal volume, MV, rate, I:E, airway pressure , pressure, Pmin,
Application	Adult and pediatric, Neo
Vaporizer	Selectatec type 2 positions
Gas supply	02, N20, Air

6 flowmeter tubes	02: 0 ~ 1OLPM; N2O: 0~12LPM; Air: 0~15LPM;
O2%	O2 sensor
O2 auxiliary	Auxiliary O2 Flow meters (O2: 0~15LPM) (Optional)
ACGO	Yeah
Battery	Built-in Ni-MH battery. > 90 minutes
Yoke	2 (O2, N2O) (Optional)
Gas cylinder	O2, N2O (Optional)
Absorber cycle	Integrated, Bypass Design, Heating system

Setting the parameters

Parameters	Description
Tidal Volume	20 ~ 1500 ml
Frequency	1 ~ 100 bpm
Tinsp	0.1 ~ 10.0s
|: E	4:1~1:10
Pause	O ~ 60%
PEEP	OFF, 3 ~ 3O cmH2O
PSUPP	O ~ 7O cmH2O
Pressure control	5 ~ 70 cmH2O
Shooting flow	0.5 ~ 20 L/min
Trigger pressure	0 ~ 20 cmH2O
Ramp	0 ~ 2 s

Parameter monitoring

Parameters	Description
Tidal volume of inspiration	0~2500m|
Tidal volume of expiration	0~2500m|
MV	0~60L/min
MV spont	0~60L/min
Frequency	0~100bpm
Spontaneous frequency	0~100bpm
|: E	9:1 ~1 :99
P peak	0~100cmH2O
Pmedia	0~100cmH2O
PEEP	0~100cm H2O
Pplat	0~100cmH2O
O2 %	15~100%
Accordance	0~300mll cm H2O
Endurance	0~600cmH20/(L/S)
EtCO2 (Optional)	0~13.3%
FiCO2 (Optional)	0~13.3%

Alarm parameter

Parameters	Description
Tidal Volume	
Upper limit of	30 ~ 2000 ml
Lower limit	OFF, 20 ~ 1500 ml
MV	
Upper limit	1 ~ 99 L
Lower limit	0 ~ 98 L
O2% (Optional)	
Upper limit	22 ~ 100%, OFF
Lower limit	20 ~ 99%
Airway pressure	
Upper limit of	10 to 99 cm H20
Lower limit	1 ~ 98 cm H20
Frequency	
Upper limit	1 ~ 100 bpm
Lower limit of	0 ~ 99 bpm
EtCO2; (Optional)	
Upper limit	0.1 ~ 13.3%;
Lower limit	0 ~ 13.2%;
FiCO2 (Optional)	
Upper limit of	0.1 ~ 13.3%;
Continuous high pressure	airway pressure (PEEP + 15) cm H20, continuously (15 + 1) s

BARELY	10~60 5, Magnification: 15
Supply down O2	<0.28 MPa
Network failure	battery circuit breaker
Low battery	<10 min
discharge battery	<5 min
Mute	ÿ 120 s
Low pressure	ÿ-10 cmH2O
FiO2	<18% vol%

Power supply

Parameters	Specification
AC external power supply	
input voltage	100 - 240 V
Input frequency	50 / 60Hz
Input power	<150 VA
Internal battery	
Number of Batteries	A battery pack
Battery Type	NiMH batteries
Nominal battery voltage 12VDC	
Battery capacity	4200mAh Power off delay: Less than 10 min (using a new fully charged battery, low battery alert from the first post)
Minimum feeding time:	90min
Charging time:	4h
Work environment	
Temperature	10 ~ 40 °C
Humidity	5~95%, non-condensing
Environmental pressures	70 ~ 106 kPa
Storage environment	
Temperature	-20 ~ 55 °C
Humidity	10~95%, non-condensing
Environmental pressures	50 ~ 106 kPa