Bioevopeak

PM-MP-1-1

Features &Benefits:

❋ 12.1" color TFT display, high resolution: 800×600dpi;

❋ Separated para board: ECG, NIBP, SpO2 board;

❋ Full touch-screen enables intuitive operation by clicking one the specific parameters or the waveform in real time, standard configuration includes the navigation knob.

❋ Real time S-T segment analysis, and ARR analysis;

❋ SpO2 Pitch Tone Variation and Drug Dose Calculation;

❋ Parameter waveform and characters color selectable

❋ Multi-display: Standard, Large font, Trend Coexis, OxyCRG dynamic

❋ Standby mode for Energy saving and suspend monitoring;

❋ 7-lead ECG waveforms display in phase;

❋ Capture dynamic waveforms;

❋ Built-in rechargeable lithium battery, and battery volume checking,

❋ AC power checking

❋ Efficient resistance to interference of defibrillator and HF knife;

❋ SINNOR F-6 SpO2 technology, VS NELLCOR accuracy;

❋ Networking capacity and TCP/IP networking platform enable abundant future upgrade

❋ Time delay switch-off function keep the monitor data restart monitor;

❋ Complete and flexible mounting solution for transportation and in-patient monitoring

❋ Standard parameters: 5-lead ECG, SpO2(F-5),NIBP, TEMP,RESP,PR,HR.

Optional: Touch Screen, Thermal Recorder, 3/12-lead ECG, 2/4-IBP,4-TEMP,2-SpO2, Nellcor/Masimo SpO2,BIS, Phaisein/ Respironics Multi-gas, ICG/CO, FHR, FM, TOCO.

Performance Specifications	
Display	12.1"color TFT ;Rolling and refreshing waveform display
Resolution	800×600
Multi display selectable including	Large-font display/Trend coexist display OxyCRG dynamic view display./Bed-to-bed view display
Trace	9 waveforms(7 ECG, 1 SPO2 and 1 RESP)
Sweep speed	12.5mm/s,25mm/s,50mm/s
Indicator	Power/battery indicator light QRS beep and alarm sound
Battery	Rechargeable lead acid cell, 12v/4AH Max.24 hour for charging, 4 hours for continue working
Trend/Parameter graphic and tabular trends	5s/piece,8 hours; 1min/piece,168 hours(24hour×7days) 5min/piece,1000 hours.
Storage	NIBP: 1000 groups Alarm: 200 groups Full disclosure waveforms: 3600S SD card external storage
Alarm	User-adjustable High, Medium and Low limits 3-level Audible and visual alarm
Recorder	Build-in, thermal array Plethysmogram caveform:2 channels Record mode: manual, on alarm, time-defined Recording width: 50mm Printing speed: 50mm/s
Recording type	Frozen waveform record NIBP recall record Trend table record Alarm record Fixed -time record

ECG	
Lead mode:	5 –lead(R,L,F,N,C)
Lead selection :	I,II,III,avR,avL,avF,V
Waveform:	3 and 7 channel selectable
Gain selection:	0.5mm/mv,1mm/mv,2mm/mv
Sweep speed:	12.5mm/s;25mm/s;50mm/s
Heart rate range:	Adult: 15~300bpm; Neonate/pediatric:15~350bpm
Accuracy	+1bpm or +1%,whichecer is greater
Resolution	1bpm
Filter	surgery mode:1~20Hz monitor model:0.5~40Hz Diagnostic mode:0.05~130Hz
Scaling signal	1mv,+3%
Protection	withstand 4000VAC/50 voltage isolation against electrosurgical interference and defibrillation
Alarm range	15~350bpm
S-T segment detecton	
Measurement range	2.0mV~+2.0mV
Alarm Range	-2.0mV~ +2.0mV
Accuracy	-0.8mV ~+0.8Mv
Error	±0.02Mv
Arrhythmia analysis	YES
SPO2	
Measurement range	0~100%
Resolution	1%
Accuracy	±2%(70-100%);0-69% unspecified
Alarm range	0~100%
range	20~300bpm
Resolution	1bpm
Error	±1bpm or ±2%,whichever is greater

NIBP	
Method	Digital Automatic oscillometric
Operation mode	Manual/Automatic/continuous
Auto measurement time	Adjustable(1~480min)
Measurement Unit	mmHg/Kpa selectable
Measurement types	Systolic, Diastolic, Mean
Measurement tange	
Range of Systolic pressure	Adult: 40~270mmHg Pediatric: 40~220mmHg Neonate: 40~135mmHg
Range of mean pressure	Adult: 20~235mmHg Pediatric: 20~165mmHg Neonate: 20~110mmHg
Range of diastolic pressure	Adult: 10~215mmHg Pediatric: 10~150mmHg Neonate :10~100mmHg
Over-pressure protection	Double safety protection
Resolution	1 mmHg
Alarm	Systolic.Diastolic,Mean
Respiration	
Method	Thoracic impedance
	Adult:7~120rpm; Neonate/Pediatric:7~150rpm
Apnea alarm	YES,10~40s
Resolution	1rpm
Accuracy	±2rpm
Temperature	
Compatible probe	YSI or CYF
Measurement range	5~50℃
Resolution	0.1℃
Accuracy	±0.1℃
Refreshing time	about 1
Average measuring time	<10s

Multi-parameter Patient monitor

FHR	
Transducer	Multi-crystal, Pulsed Doppler
Measurement range	50~210 BPM
Working frequency	1 MHz
Strength	<5mW/cm[]
Signal processing	special DSP system and modern recognization.
Resolution	1BPM
Accuracy	±1BPM
Alarm Range	High: 160,170,180,190 BPM, Low: 100,110,120 BPM
FM	
Manual button marking, automatic FM identifying function	
TOCO Measuring	
Transducer	External pressure transducer
Measurement range	0~100 units
Resolution	1rpm
Accuracy	±2 rpm
IBP	
Channel	2 channels
Range	-50-300mmHg
Resolution	1mmHg
Accuracy	±4mmHg(±4%)
Unit	mmHg, Kpa
Converter Sensitivity	5V/V/mmHg
Transducer sites	ART/PA/CVP/LAP/RAP/ICP
EtCO2(Sidertream CO2)	
Measurement range	0~99mmHg
Accuracy	±2mmHg (0~40mmHg)
Sampling Range	100ml/min
Sampling rate accuracy	15%
Respiration rate	0~120rmp
Respiration accuracy	±2rmp (0~70rmp);+5rmp (>70rmp)
Respiration time	<240msec (10% to 90%)
Delay time	<2s

Multi-parameter Patient monitor

EtCO2 (mainstreaam CO2)	
Method	Infrared Spectrum
Range	0.0-10% (0~76%)
Resolution	1mmHg (0.1%)
Accuracy	<5%(±4.0 mmHg);Or<10%(of Readings)
Recorder	
Build-in, thermal array	
Plethysmogram caveform	2 channels
Record mode	manual, on alarm, time-defined
Recording width	50mm
Printing speed	50mm/s
Recording type	Frozen waveform record NIBP recall record Trend table record Alarm record Fixed -time record
Satety	
Safety level	Class I, type CF
Dimendion and Weight	
Dimendion	28*42*48cm
G.Weight	<6.5KS
Operation Environment	
Temperature	Working 0~+40°C Transportation and storage −20~+60°C
Humidity	working≤85% Transportation and storage≤93%
Power	AC 100-240,50/60Hz
Patient range	Neonate,pediatric,and adult patients
Accessories supplies	
(1) 5 lead ECG cable	
(2) 1 spo2 probes	
(3) 1 NIBP prbe	
(4) 1 temp probe	
(5)1 ground connecting liner	
(6) Chest electrode (10pcs/set)	