Patient Monitor-6 Parameters

(SUN-601S)



Introduction This equipment can monitor such parameters as ECG, RESP, SpO2, NIBP, and Dual- channel TEMP. It integrates parameter measuring module, display and recorder in one device to form a compact and portable

device. At the same time, its built-in replaceable battery provides convenience for patient moving.

Feature&Benefits:

•**12.1'' color TFT LCD** with high-resolution displays patient parameter and waveform, and **alarm, bed NO, clock, state and other information** provided by the monitor synchronously. (Touch screen is optional)

•**PVI (Pleth Variability Index)**

•**USB support PDF file export**

•**Central station support Nurse Call by wire/wireless network**

•USB WIFI module can easily connect to CMS.Network：connecting with central station, other Bed observation and software updating. Connection mode：wireless and wired.

•USB data output with software to view data on computer

•Adopt digital SpO2 technology, which has strong anti-interference and anti-weak filling capability.

•Unique human voice alarm

•**Storage of 480-hour trend data, and review of 40-second holographic waveform**. 720 hours trend data and 12 hours of all waveforms.

•Function of **NIBP review, storage for up to 2400 NIBP data.**

•**Built-in rechargeable battery** for uninterrupted monitoring, 5 hours working capacity.

•Print ECG, SpO2, RESP, BP and temperature data with one-key.

•Anti-high frequency surgical unit, defibrillation-proof(requirement for special leads).

•Analysis function for heart rate variability(HRV) (optional)

•17 languages includes: Chinese, English, Spanish, Portuguese, Russian, French, German, Czech, Denish, Dutch, Finland, Italian, Polish, Turkish, Taiwan, Romania and etc.

•Calculation of drug concentration.

•Elegant appearance, clear marks, standard interface, oxyCRG SCREEN, trend graph, big characters, other BED observation, which are convenient for user.

•Real time S-T segment analysis, pace-maker detection.Monitoring contents, scan speed, volume and output contents can be set optionally.

•Be applicable for **adult**, **pediatric** and **neonatal**.

•Standard parameters of **ECG, RESP, NIBP, SpO2** and **dual-channel TEMP**.

•Indication of incorrect manupulation and malfunction analysis

•Patient info input management function

•Capture dynamic wave forms

Built-in printer, IBP, ETCO2, Anesthetic gas module, touch screen, wireless network, cart, wall amounting are optional.

Standard configuration

ECG, RESP, SPO2,PR,NIBP,TEMP

Optional configuration

Built-in printer, touch screen, CMS, WIFI,cart, wall amounting

Parameters:

ECG

Lead mode 5 Leads, I, II, III, AVR, AVL, AVF, V

Gain X 0.25, X 0.5, X 1, X 2

Heart rate	
Adult	15 ~ 300 bpm
Neonatal/ Pediatric	15 ~ 350 bpm
Accuracy	± 1%
Resolution	1 bpm
Sensitivity	**> 200 μV P-P**
Differential Input Impedance	**> 5 M ohm**
CMRR	
Diagnostic Mode	>90 dB
Monitor Mode	>110 dB
Surgery Mode	>110 dB
Electrode offset potential	**±300mV**
Leakage Current	**< 10 μA**
PACE pulse detect	
range	±2～±700mV
width	0.1～2ms
rise time	10～100μs
PACE pulse rejection	
range	±2～±700mV
width	0.1～2ms
rise time	10～100μs
Baseline Recovery	**< 3 s After defibrillation.**
Signal Range	**±5 mV p-p**
Bandwidth	
Surgery	1 ~ 20 Hz
Monitor	0.5 ~ 40 Hz
	0.05 ~ 130 Hz

Diagnostic

Calibration Signal

1 mV p-p, ±5% accuracy

ST measurement

range	-2.0 ~ +2.0 mV
Accuracy	-0.8mV~+0.8mV: ±0.02mV or ± 10%, which is greater

Respiration

Method Impedance between RA-LL or RA-LA

Differential Input Impedance >2.5 M ohm

Respiration Impedance Range 0.3~3 Ω

Base Impedance Range 200 Ω-2000Ω

Bandwidth 0.3 ~ 2 Hz

Gain X0.25 X0.50 X1 X2 X4

Respiration Rate

Measurement Range	
Adult	0-120BrPM
Neonatal/Pediatric	0-150BrPM
Resolution	1 BrPM
Accuracy	
0-6 BrPM	unspecified
7-150BrPM	±2BrPM or±2%,the greater
Inspiriting current	< 300 μA RMS max

Apnea Alarm **10-40S**

Tempearture

Channel	2
Measure and Alarm Range	0 ~ 50 oC
Resolution	0.1oC
Accuracy	± 0.2℃

NIBP

Pulse Rate Range	40 ~ 240bpm
Measure and Alarm Range	
Adult Mode	
SYS	40 ~ 280mmHg
DIA	10 ~ 220mmHg
MEAN	20 ~ 240 mmHg
Pediatric Mode	
SYS	40 ~ 220mmHg
DIA	10 ~ 160mmHg
MEAN	20 ~ 170 mmHg
Neonatal Mode	
SYS	35 ~ 135mmHg
DIA	10 ~ 100mmHg
MEAN	20 ~ 110 mmHg
Static pressure accuracy	±3mmHg
Resolution	1mmHg
Accuracy	
Maximum Mean error	±5mmHg
Maximum Standard deviation	8mmHg
Overpressure Protection	
Adult	300 mmHg
Pediatric	240 mmHg
Neonatal	150 mmHg

SPO2

Measurement Range	**0 ~ 100 %**
Resolution	**1 %**
Accuracy	**±2 % for 70% ~ 100%**
	0% ~ 69% unspecified
Pulse Rate	
Measure and Alarm Range	20~250bpm

Resolution	1bpm
Accuracy	±3bpm

Recorder(Optional)

Paper width	48mm
Speed	25/50mm/s
wave channel	3 channels

Dimension

Dimension 360×380×270(mm)
Net weight 2.8Kg

Accessories:

1) Adult SpO2 probe(5-pin)
2) Adult NIBP cuff
3) Extending tube for blood pressure
4) ECG lead
5) ECG electrode
6) Temperature probe
7) Power cord
8) Thermal recording paper(optional)
9) User Manual



