Multi-parameter Patient Monitor

(SUN-603S)



Introduction: .

This equipment can monitor such parameters as ECG, RESP, SpO2, NIBP, and Dualchannel 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.

Features:

- * Elegant appearance, clear marks, standard interface, oxyCRG SCREEN, trend graph, big characters, other BED observation, which are convenient for user.
- Be applicable for adult, pediatric and neonatal.
- * Standard parameters of ECG, RESP, NIBP, SpO2 and dual-channel TEMP. IBP, CO2, Built-in printer, curving handle, moving bracket and hanging bracket are optional.
- * Operation interface with Chinese and English. Finish all operations by keys and knobs.(Optional languages: French, German, Portuguese, Turkish, Spanish.) design with full built-in module, stable and reliable performance.
- synchronously.

* Monitoring contents, scan speed, volume and output contents can be set optionally.

and alarm, bed NO, clock, state and other information provided by the monitor

* 12.1" color TFT LCD with high-resolution displays patient parameter and waveform,

- * Storage of 480-hour trend data, and review of 40-second holographic waveform.
- Storage and review of 72-hour ECG waveform.
- * Function of NIBP review, storage for up to 2400 NIBP data.
- * Adopt digital SpO2 technology, which has strong anti-interference and anti-weak filling capability.
- * Calculation of drug concentration.
- * Network: connecting with central station, other Bed observation and software updating. Connection mode: wireless and wired.
- * Built-in rechargeable battery for uninterrupted monitoring.
- * Print ECG, SpO2, RESP, BP and temperature data with one-key.

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Anti-high frequency surgical unit, defibrillation-proof(requirement for special leads).
  Analysis function for heart rate variability(HRV) (optional)
Performance:
                  Lead Mode 3-lead and 5-lead are optional
                  Lead Selection I, II, III, avR, avL, avF, V
                  Wave 5-lead: 2 channels
                  3-lead: 1channel
     ECG
                  Gain ×2.5mm/mV, ×5.0mm/mV, ×10mm/mV, ×20mm/mV
                  HR Measuring and Alarm Range
                  Range 15 ~ 300 bpm
                  Accuracy ±1% or ±1bpm, which is greater
                 Alarm Accuracy ±2bpm
                  Resolution 1 bpm
                  Monitor > 100 dB
    CMRR
                  Surgery ≥ 100 dB
                  Diagnosis ≥ 60 dB
                  Surgery 1 \sim 20 \text{ Hz}(+0.4\text{dB},-3\text{dB})
  Bandwidth
                  Monitor 0.5 \sim 40 \text{ Hz}(+0.4dB, -3dB)
                  Diagnosis 0.05 \sim 75Hz(+0.4dB,-3dB); 76Hz\sim 150Hz(+0.4dB,-4.5dB)
                  Calibration Signal 1 mV (Vp-p), ±5% Accuracy
 ST Segment
                  Measuring and Alarm Range -0.6 mV~ + 0.8 mV
  Monitoring
                 ARR Detecting Type ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP,
     ARR
                  PNC
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Alarm Available

Review	Available
Scan Speed for	12.5mm/s accuracy ±10%
ECG Waveform	25mm/s accuracy±10%
is adjustable	50mm/s accuracy±10%
Respiration	Method R-F(RA-LL) Impedance
	Differential Input Impedance >2.5 MΩ
	Measuring Impedance Range 0.3~5.0Ω
	Baseline Impedance Range 100Ω – 2500Ω
	Bandwidth 0.3 ~ 2.5 Hz
Resp. Rate	Measuring and Alarm Range 0~120rpm
	Resolution 1 rpm
	Measuring Accuracy ±2 rpm
	Alarm Accuracy ±3rpm
	Apnea Alarm 10 ~ 40 S
	Method Oscillometry
	Mode Manual, Auto, continuous
NIBP	Measuring Interval in AUTO Mode 1 /2 /3 /4 /5/ 10/ 15/ 30 /60 /90/120/240/480/960 Min
	Measuring Period in Continuous Mode 5 Min
	Measuring and Alarm Range 10~270mmHg
	Alarm Type SYS, DIA, MEAN
Resolution	Pressure 1mmHg
	Cuff Pressure ±3 mmHg
	Accuracy ±10% or ±8mmHg, which is greater
	Over-pressure Protection:
	Adult Mode 315±10 mmHg
	Pediatric Mode 265±10 mmHg
	I .

	Neonatal Mode 155±10 mmHg
SpO2	Measuring Range 0 ~ 100 %
	Alarm Range 0 ~ 100 %
	Resolution 1 %
	Accuracy 70% ~ 100% ±2%
	0% ~ 69% unspecified
Pulse Rate(PR)	Measuring and Alarm Range 0~250bpm
	Resolution 1bpm
	Measuring Accuracy ±2bpm or ±2%, which is greater
	Alarm Accuracy ±2bpm
TEMP	Channel dual-channel
	Measuring and Alarm Range 0 ~ 50°C
	Resolution 0.1°C
	Accuracy ±0.1°C
	Actualization Interval about 1 Sec.
	Average Time Constant < 10 Sec.
	Alarm responding Time ≤2min
EtCO2	Method Sidestream or Mainstream Measuring Range for CO2 0~150mmHg
	Resolution for CO2:
	0.1 mm Hg 0 to 69 mm Hg 0.25 mm Hg 70 to 150 mm Hg
	Accuracy for CO2: 0 - 40 mm Hg ±2 mm Hg 41 - 70 mm Hg ±5% 71 - 100 mm Hg ±8% 101 - 150 mm Hg ±10% Respiration Rate>80BPM ±12% AWRR Range 2~150 rpm AWRR Accuracy ±1BPM
	Apnea Alarm Available
IBP	Channel dual-channel

Label ART, PA, CVP, RAP, LAP, ICP, P1, P2
Measuring and Alarm Range -50~350 mm Hg Resolution 1 mm Hg
Accuracy ±2% or 1mm Hg, which is greater

Display Mode 12.1" color TFT LCD with high-resolution.

Power Supply 220V, 50Hz

Safety Classification class I , type CF defibrillation-proof part

Physical Characteristic:

Dimension 310×140×263(mm)

Net weight 3.8Kg

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









