Patient Monitor

(SWN-600)

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.

---

* 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**. 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. design with full built-in module, stable and reliable performance.

* **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.

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

* **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.

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

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

Performance:

ECG	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 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
CMRR	Monitor ≥ 100 dB Surgery ≥ 100 dB Diagnosis ≥ 60 dB
Bandwidth	Surgery 1 ~ 20 Hz(+0.4dB,-3dB) Monitor 0.5 ~ 40 Hz(+0.4dB,-3dB) Diagnosis 0.05~75Hz(+0.4dB,-3dB); 76Hz~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	ARR Detecting Type ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC
Alarm	Available
Review	Available
Scan Speed for ECG Waveform is adjustable	12.5mm/s accuracy ±10% 25mm/s accuracy±10% 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
NIBP	Method Oscillometry Mode Manual, Auto, continuous 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 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