



STAR 8000D Patient Monitor

User-friendly Interface

Multi interfaces support, including standard display, large font display, trend coexist display, bed-to-bed view display, and OxyCRG dynamic view display. Color of waveform and parameter is changeable.

Super Reliability

The design and production of product strictly comply with the CE standards. The safety, stability and durability of the product are well guaranteed. At least 10 days of aging inspection to maintain product's reliability.

Rich Clinical Information

Excellent software processing techniques, including arrhythmia analysis, pacemaker analysis, oxyCRG, S-T segment analysis, drug dose calculation etc.

Power-off Protection

24 hours of full data, alarm recall and trend graphic saving in case of power failure.

Alarm System

3 levels of audible/visual alarm, breath apnea alarm and alarm recall function. It can transfer the change of illness accurately and timely.

Nurse Call

Nurse call connection is available, immediately transfer latest patient information.

Patient Information System

Powerful information system, including patient information input, multi language selection, and 96 hours trend graphic storage and review. It can meet the requirements of clinic analysis and data management.

Network System

Bi-directional communications with central monitoring system, both wired and wireless solution support.

- 12.1inch Large-screen color TFT display with maximum 7 waveforms
- 96 hours graphic and tabular trends of all parameters
- SpO2 pulse-tone modulation (Pitch Tone)
- 400 group lists of NIBP storage and review
- Optional US Respiroics EtCO2 measurement for intubated and non-intubated patients
- Optional Nellcor Oximax/COMEN SpO2.



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OxyCRG
Display of the interactive relation between heart rate, respiration and oxygen parameter. It is convenient for observing the clinic change of neonate.



Big Font Interface
Basic parameters (ECG, SpO2, NIBP) in large font for distance view and long-time observe monitoring.



Trends Graphic Interface
2-hour trends data with waveforms for all parameters display.



View Bed Interface
Support bed-to-bed view, easy checking for the other monitor's data without central monitoring system.



Various Input/Output Interfaces



Built-in Thermal Printer



Plug Type Rechargeable Battery



Wall Mount/Rolling Stand Solution

Standard Configuration

- ECG/HR ● SpO₂ ● NIBP ● Respiration ● Dual Temperature ● Pulse

Optional Configuration

- Nellcor SpO₂ ● NIBP ● Nurse Call ● Thermal Recorder
- Central Monitor Station
- Special Accessories for Neonatal and Pediatric Patient



US SpO₂ Technology



US EtCO₂ Technology

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Safety	
IEC 60601-1:2005 approved, CE marking according to MDD0174/2006	
Dimension and Weight	
Dimension:	320mm×170mm×280mm
Weight:	4kg
Operation Environment	
Power:	AC100-250V, 50/60Hz
Temperature:	0-40°C
Humidity:	15-85%
Patient Range	
Adult, Pediatric, and Neonate patients	
Performance Specifications	
Display:	12.1inch color TFT (diagonal)
Resolution:	800×600
Trace:	7 waveforms
Sweep Speed:	12.5mm/s, 25mm/s, 50mm/s
Indicator:	Power indicator light Battery indicator light Alarm indicator light QRS sweep and alarm sound Parameter cable interface AC Power input socket
Inter face:	Network interface Lead-Acid/Rechargeable
Battery:	5 hours for continuous working 1~96 hours
Trend time:	1~96 hours
Alarm:	User-adjustable High and Low limits alarm events recallable audible and visual alarm
Networking:	Connected to central monitoring system
Recorder:	Built-in, thermal array, 2 traces, paper width 50mm
Record mode:	manual, on alarm, time-defined
Print speed:	12.5 mm/s, 25mm/s, 50mm/s
ECG	
Lead selection:	5-lead and 3-lead selectable
5 leads:	RA; LA; RL; LL; V or R; L; F; C
3 leads:	RA; LA; LL or R; L; F
ECG waveform:	2 channels
Gain selection:	×1, ×10, ×10, ×1, ×2, Auto
Sweep speed:	12.5mm/s, 25mm/s, 50mm/s
Heart Rate Range:	15~350bpm
Accuracy:	±1% or ±2bpm whichever is greater
Resolution:	1bpm
S-T segment detection:	±2.0mV~±2.0mV
Arrhythmia analysis:	Yes
Waveform:	Standard 7 ECG waveforms
Anti-jamming:	time frequency, electro-surgical interference and defibrillation
Pace detection:	Yes
HR alarming time:	<1s
Input impedance:	>5MΩ
Respiration	
Method:	Thoracic impedance
RR measurement range:	0-100rpm
Resolution:	±1rpm
Accuracy:	±1rpm

SpO₂	
Measurement range:	0-100%
Resolution:	±1%
Accuracy:	±1% (90-100%) ±2% (70-89%)
Pulse Rate range:	0~250 bpm
Pulse Rate Accuracy:	1bpm
Nellcor SpO₂ (option)	
Measurement range:	0~100%
Resolution:	1%
Accuracy:	±2% (adult and low-perfusion) ±3% (neonate)
Alarm range:	0~100%
Pulse rate:	Range: 20~300bpm Resolution: 1bpm Accuracy: ±1bpm Alarm range: 20~300bpm
NIBP	
Measurement method:	Automatic auscultometric
Measurement types:	Systolic, Diastolic, Mean
Work mode:	Manual / Automatic
Auto measurement time:	Adjustable
Measurement unit:	mmHg / kPa selectable
Range of systolic pressure:	Adult mode: 40~270mmHg Pediatric mode: 40~200mmHg Neonate mode: 20~135 mmHg
Range of diastolic pressure:	Adult mode: 30~200mmHg Pediatric mode: 20~150mmHg Neonate mode: 10~110mmHg
Range of mean pressure:	Adult mode: 30~220mmHg Pediatric mode: 30~160mmHg Neonate mode: 20~170 mmHg
Accuracy:	±3mmHg
NIBP pressure range:	0~300 mmHg
PH from NIBP:	Measurement 40-240bpm
Over-pressure protection:	Double safety protection
IBP	
Measurement Range:	-30mmHg ~ 300mmHg
Channel:	2 channels
Pressure names:	ARP, PA, CVP, RAP, LAP, NCP, P1, P2
Accuracy:	±1% or ±1bpm, whichever is greater
Calibration Mode:	Zero Calibration
Temperature	
Measurement range:	20-45°C
Resolution:	0.1°C
Accuracy:	±0.1°C
Measurement unit:	°C/°F selectable
EtCO₂-Sidestream/Mainstream (option)	
Method:	Infrared Absorption Technique
Sample Rate:	50ml/min ~ 10 ml/min (sidestream)
CO ₂ Measurement Range:	0 to 150 mmHg
CO ₂ Resolution:	0.1 mmHg 0 to 40 mmHg 0.25 mmHg 70-150 mmHg
CO ₂ Accuracy:	0-40 mmHg ±2 mmHg 41-70 mmHg ±5% of reading 71-100 mmHg ±8% of reading 101-150 mmHg ±10% of reading ±1 ppm
Aw/RR:	<3 seconds, includes transport time, rissetime
Response time:	BTP1 (Body Temperature Pressure Saturated)
Calculation Method:	50ml/ml
Sample Gas Flowrate:	

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