# **STAR 8000C**

**Patient Monitor** www.szcomen.com

ISO 13485:2003 approved, CE marking according to MDD93/42/EEC

**Dimension and Weight** 

Dimension: 320mm×170mm×280mm

Weight: 6ka

**Operation Environment** 

Power: AC100-250V, 50/60Hz. Temperature: 0-40°C

Patient Range

Adult, Pediatric, Neonate patient

**Performance Specifications** 

12.1inch color TFT (diagonal) Display: Resolution: 800x600

9 waveforms Trace:

Sweep Speed: 12.5mm/s, 25mm/s, 50mm/s

Power indicator light Indicator:

Battery indicator light Alarm indicator light

QRS beep and alarm sound Inter face: Parameter cable interface

AC Power input socket Network interface Battery: lead-Acid/Rechargeable

3 hours for continuous working

Trend time: 1~120 hours Alarm:

User-adjustable High and Low limits alarm events recallable

audible and visual alarm

Networking: Connected to central monitoring system

Built-in, thermal array, Recorder: 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 12-lead (including 3/5-lead) optional

RA; LA; RL; LL; V 1-V6 10 leads

or R; L; N; F; C, C1-C6 5 leads RA; LA; RL; LL; V or R; L; N; F; C,

RA: LA: LL or R: L: F 3 leads:

ECG waveform: 2 channels

Gain selection:  $\times 1/4$ ,  $\times 1/2$ ,  $\times 1$ ,  $\times 2$ , Auto 12.5mm/s, 25mm/s, 50mm/s

Sweep speed: Heart Rate Range: 20 ~ 250bpm

 $\pm$ 1% or  $\pm$ 2bpm Accuracy: whichever is greater

Resolution: 1 bpm

ST SEGMENT detection: -2.0mV-+2.0Mv

Arrhythmia analysis: Yes

Standard 9-ECG waveforms Waveform: Optional 12-ECG waveforms Anti-jamming: line frequency, electrosurgical

interference and defibrillation

Pace detection: Yes HR alarming time: ≤ 12s Input impedance: > 5 M Ω

Respiration

Method: Thoracic impedance

RR measurement range: 0-100rpm Resolution:  $\pm 1 \, \text{rpm}$ Accuracy: ±1rpm

Measurement range: 0-100%

Resolution:

Accuracy ±1% (90-100%) ±2% (70-89%)

Pulse Rate range: 0~250 bpm Pulse Rate Accuracy: ±1bpm

Nellcor SpO<sub>2</sub> (option)

Measurement range: 0~100%

Resolution:

Accuracy: ±2% (adult and low-perfusion)

±3% (neonate) Alarm range: 0~100%

Range: 0~254bpm Pulse rate:

Resolution: 1bpm Accuracy: ±3bpm Alarm range: 0~254bpm

**NIBP** 

Measurement method: Automatic vibration Measurement types: Systolic, Diastolic, Mean Work mode: Manual / Automatic

Auto measurement time: Adjustable mmHg / KPa selectable

Measurement unit: Measurement range

Adult/Pediatric Mode:

Systolic pressure: 60~240mmHg Diastolic pressure: 30-190mmHg Mean pressure: 40-210mmHg

Neonatal Mode:

Systolic pressure:25-135mmHa Diastolic pressure12-110mmHg

5mmHg

Accuracy: NIBP pressure range 0~300 mmHg

PR from NIBP: Measurement 40-240bpm

Over-pressure protection: Double safety protection

Measurement Range: -30mmHg~300mmHg

Channel: 2 channel

ARP,PA, CVP, RAP, LAP, ICP, P1, P2 Pressure names:

IBP Accuracy: 0~100mmHg

 $\pm$ 1% or  $\pm$ 1bpm, whichever is greater Pulse Accuracy:

Calibration Mode: Zero Calibration

CO2 Accuracy:

20-45°C Measurement range: Resolution: 0.1°C 0.1°C Accuracy:

°C / F selectable Measurement unit:

EtCO2- Sidestream / Mainstream (option)

Method: Infrared Absorption Technique Sample Rate: 50mL/min. ±10 mL/min (sidestream)

CO2 Measurement Range: 0 to 150 mmHg

CO2 Resolution: 0.1 mmHg 0 to 69 mmHg 0.25 mmHg 70-150 mmHg

0-40 mmHg ±2 mmHg 41-70 mmHg ±5%of reading

71-100mmHg ±8% of reading 101-150mmHg  $\pm$ 10% of reading

AwRR:  $\pm$  1 rpm Response time

<3 seconds, includes transport time. risetime

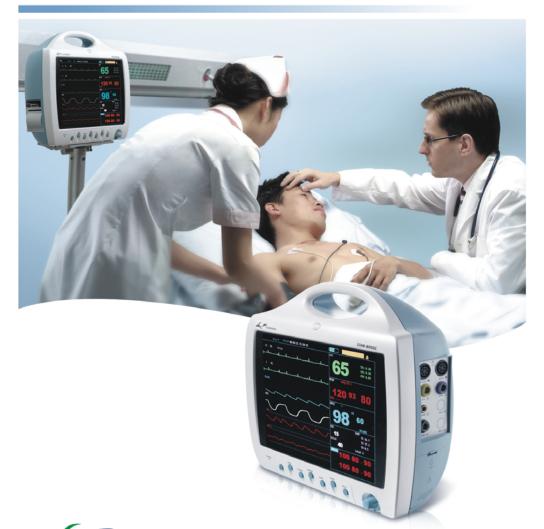
Calculation Method: BTPS (Body Temperature Pressure

Saturated) Sample Gas Flowrate: 50ml/mi

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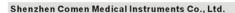












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# **STAR 8000C**

# Patient Monitor

## User-friendly Interface

Multi interfaces support, including standard display, large-font display, trend coexist display, bed-to-bed view display, OxyCRG dynamic view display and 12-lead ECG display, Color of waveform and parameter is changeable.

### **Excellent Performance**

Individual modules for convenient maintenance and upgrade, including ECG module, SpO2 module, NIBP module, Main board module and Power Supply module, etc.

## 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

# 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 asphyxia alarm and alarm recall function. It can transfer the change of illness accurately and timely.

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

## Patient Information System

Powerful information system, including patient information input, multi-language selection, and 120 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.







- 12.1 inch Large-screen color TFT display with maximum 9 waveforms
- 120 hours graphic and tabular trends of all parameters
- SpO<sub>2</sub> pulse-tone modulation (Pitch Tone)
- 1000 group lists of NIBP storage and review
- Optional 12-lead ECG waveforms display and analysis
- Optional Respironics sidestream and mainstream EtCO2 measurement for accurate measurement of intubated and non-intubated patients
- Optional Nellcor Oximax/COMEN SpO<sub>2</sub>.



# **Drug Dose Calculation Interface**

It can calculate transfusion speed, drug computation, drug dose. The function provides more help



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



## 12-lead ECG waveforms Interface

Fully disclosure of the 12-lead ECG waveforms, accurately shows the patient's ECG information. Good for ICU, CCU and operation rooms.



## Big Font Interface

Basic parameters (ECG, SpO2, NIBP TEMP, RESP) in large font for distance view and long-time monitoring.

## Standard Configuration:

• ECG/HR • SpO₂ • NIBP • Respiration • Temperature • Pulse • EtCO₂ Socket

## **Optional Configuration**

- Special Accessories for Neonatal and Pediatric Patient

Reserved EtCO2 Socket, for easy upgrading of EtCO2 function











Sweden Multi-gas Monitoring Technology US Sp02 Technology