



Technical Specifications

IBP (optional)

Sensor
Reusable sensors: OHMEDA P23XL or BD, EDWARD compatible
Once usage: OHMEDA DT-4812 or BD, EDWARD compatible
Excitation voltage: +5Vdc $\pm 2\%$
Sensitivity: 5uV/mmHg
Channels: 2 channels
Measure Range: -50~ 360(mmHg)
Resolution: 1mmHg
Accuracy(no sensor): $\pm 2\%$ or $\pm 1\text{mmHg}$, use the greater
Band Width
Normal mode: DC ~ 40Hz
Smooth mode: DC ~ 12.5Hz
Measurable parameter: ART, PA, CVP, LAP, RAP, ICP

CO₂(optional)

Measure Range: 0% ~ 13%
Resolution: 1mmHg
Accuracy: 2mmHg @ < 5.0% CO₂(at ATPS)
Breath Rate: 3 ~ 150 bpm

Recorder (optional)

Paper width: 50 mm
Paper length: 20 m
Speed: 6.25/12.5/25/50 mm/s
Wave channel: 3 channels

Gas (optional)

Range
FiCO₂,EtCO₂: 0 ~ 15%
RR: 0 ~ 0-150BPM
N₂O: 0 ~ 100
Sevoflurane: 0 ~ 10%
Isoflurane: 0 ~ 8%
Enflurane: 0 ~ 8%
Desflurane: 0 ~ 22%
Accuracy
FiCO₂,EtCO₂: $\pm (0.2\% + 5\% \text{ of reading})@(0 \sim 10\%)$
 $\pm (0.2\% + 8\% \text{ of reading})@(0 \sim 10\%)$
RR : $\pm 1\text{BPM}$
N₂O : $\pm (2\% + 3\% \text{ of reading})$
Sevoflurane : $\pm (0.15\% + 5\% \text{ of reading})@(5 \sim 10\%)$
 $\pm (0.3\% + 10\% \text{ of reading})@(5 \sim 10\%)$
Isoflurane : $\pm (0.15\% + 5\% \text{ of reading})@(0 \sim 5\%)$
 $\pm (0.15\% + 10\% \text{ of reading})@(5 \sim 8\%)$
Enflurane : $\pm (0.15\% + 5\% \text{ of reading})@(0 \sim 5\%)$
 $\pm (0.3\% + 5\% \text{ of reading})@(5 \sim 8\%)$
Enflurane : $\pm (0.15\% + 5\% \text{ of reading})@(0 \sim 10\%)$
 $\pm (0.3\% + 10\% \text{ of reading})@(5 \sim 22\%)$



Multi-parameter Patient Monitor

China Care Medical Equipment Co.,Ltd
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FSC

CFDA





Multi-parameter Patient Monitor



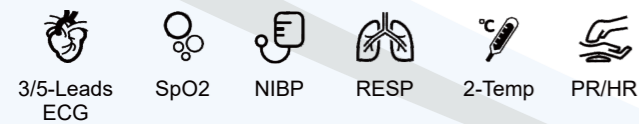
Company Profile

SZOSEN is one of the biggest medical equipment original manufacturing in china,established in 2006. Range of product: Anesthesia Depth Multi-parameter Monitor,Disposable EEG Sensor (Applicable to OSEN,BIS,GE),Multi-parameter Patient Monitor,Maternal&Fetal Monitor,Digital ECG Machine,Infusion Pump &Syringe Pump,Vet Product,Household Product as Fetal Doppler,Nebulizer,Oxygenerator,Pulse Oximeter, Blood Pressure Monitor,Infrared thermometer,etc.

Features

- 15" Color TFT LCD Screen, optional touch screen, Display Resolution: 1024*768
- 2 hours wave storage,720 hours Trend review,200 alarm events,1000 NIBP measurement data review
- Standard interface: Maximum 9-channel waveforms display, the waveform color can be defined by user (7 colors)
- Optional interface: Maximum 14-channel waveforms display, the waveform color can be defined by user (7 colors)
- ST and 13 kinds arrhythmia analysis, pacemaker analysis, drug dose calculation
- Respiration monitoring with apnea alarms, alarm review, arrhythmia review
- Unique human voice alarm, Three Level: Low, medium and high, Indication: Auditory and visual, All alarms can be silenced, Alarm Volume: The scope is 1~10
- Rechargeable high energy built-in Li battery, AC/DC available, silent fanless design
- Anti - defibrillation design, NIBP over pressure protection
- Central station support Nurse Call by wire/wireless network
- Digital SpO2 with excellent performance
- Support more than 20 kinds languages
- PVI (Pleth Variability Index)
- USB support PDF file export
- The machine includes a spare parts box

Standard



Optional



Wall Mount

Technical Specifications

Quality Standards and Classification: ISO13485 ISO9001,CFDA,FSC

MDD classification: Class II b
Anti-electroshock degree: Class I equipment (internal power supply)

TEMP/SpO2 /NIBP: BF
ECG/Resp: CF

Application Range
Adult/Pediatric/Neonatal/Medicine/Surgery/
Operating Room/ICU/CCU/Clinic/Ambulance/
Emergency Centers/Bedside Care Ward/Family Care

Environment
Temperature
Working: 0 ~ 40°C
Storage: -20 ~ 50°C

Humidity
Working: 15% - 90%
Storage: 15% - 90% (no coagulation)

Atmospheric pressure
Working: 86.0kPa ~ 106.0kPa
Storage: 86.0kPa ~ 106.0kPa

Power Requirement
External power required
AC: 100V ~ 240V, 50Hz/60Hz

DC: Built-in rechargeable battery
Battery: 14.8V, 2200mAh rechargeable Li-ion battery
2h operating after full charge
5min operating after low battery alarm
Input power: Pmax=90VA
FUSE: T1.5AL 250V

Dimension and Weight
Equipment: 350mm × 155mm ×320mm(about); 4.5kg(about)
Package: 430mm × 315mm × 400mm; 7.7kg(about)

Storage
Trend 720 hours
NIBP review 1000 NIBP events
Wave review 2 hours
Alarm review 200 alarm events
All storage data are non volatile

ECG
5 Leads: RA, LA, LL, RL, V
lead mode: I, II, III, AVR, AVL, AVF, V
3 Leads: R, L, F or RA, LA, LL
Lead mode: I, II, III
Gain: 2.5mm/mV, 5.0mm/mV, 10mm/mV,20mm/mV, auto
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s

Bandwidth
Surgery: 1 ~ 20Hz

Monitor: 0.5 ~ 40Hz
Diagnostic: 0.05 ~ 130Hz
Calibration Signal: 1(mVp-p), Accuracy: 5%
CMRR
Diagnostic Mode: >90dB
Monitor Mode: >110dB
Surgery Mode: >110dB
Electrode offset potential: ±300mV
Leakage Current: <10 uA
HR Measure Range
Adult: 15 ~ 300 bpm
Neonatal/Pediatric: 15 ~ 350 bpm
Accuracy: ±1%
Resolution: 1bpm
Sensitivity: >200 (uVp-p)
Differential Input Impedance: >5 MΩ

ST Segment
ST Segment Monitoring Range
Measure and Alarm: -2.0 ~ +2.0mV
Accuracy: -0.8mV ~ +0.8mV
±0.02mV or ±10%, which is greater

ARR Detecting
Type: ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, BRADY, MISSED BEATS, PNP, PNC, Alarm Available, Review Available



Various Extensible interfaces

Standard: Ethernet Network , USB Port
Option: AG,Nurse Call,VGA output,Defibrillation Synchronization Output/analog output

All-in-one

Standard: 5-leads ECG, RESP, SPO2,NIBP,2-TEMP
Option: 2-IBP,Side stream /mainstream / Micro stream CO2/Nellcor Spo2, Suntech Blood Pressure

Option: Built-in Recorder & WLAN modular

3-Channel thermal recorder offers convenient documentation
Wifi wireless connectivity realizes in hospital transportation

Optional Configuration



With accessories box,convenient storage and management of accessories

Static pressure accuracy: 3mmHg

SpO2
Measuring Range: 0 ~ 100%
Resolution: 1%
Alarm Range: 0 ~ 100%
Accuracy: 70% ~ 100% ±2%
<69% unspecified
Actualization interval about: 1 Sec.
Alarm Delay: 10 Sec

Pulse Rate
Measuring and Alarm Range: 20 ~ 250bpm
Resolution: 1bpm
Accuracy: ±3bpm

Perfusion Index
Measure and Alarm Range: 0.02 ~ 20%
Resolution: 0.01%

Respiration
Method: Impedance between R-F(RA-LL)
Measuring Impedance Range: 0.3~3Ω
Base line Impedance Range: 200~4000Ω
Bandwidth: 0.3~2.5Hz
Resp rate: Measurement Range
Adult: 0 ~ 120 BrP
Neonatal / Pediatric: 0 ~ 150 BrPM

Resolution: 1 BrPM
Accuracy: 0 ~ 6 BrPM: unspecified
7 ~ 150 BrPM: ±2 BrPM
Apnea Alarm: 10 ~ 40 S
Gain 0.25,0.500,1,2,4
Differential Input Impedance: >2.5MΩ
Inspiring current: <300 uA RMS max

TEMP
Channel: 2
Measuring and Alarm Range: 0 ~ 50°C
Resolution: 0.1°C
Accuracy: ±0.1°C (0 ~ 50°C)
Actualization intervalabout: 1 Sec
Average Time Constant: <10 Sec
Sensor Type: 10K series, 2.25K series

Standard Accessories Adult
NIBP cuff & Extension tube, ECG cable & electrodes,
SpO2 sensor, TEMP probe, Lithium-ion battery,
Power cable,User manual