



Technical Specifications

CO₂(optional)

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

IRMA Gas (optional)

Measuer Range
CO₂: 0 - 15%
O₂: 0 - 10%
N₂O: 0 - 15%
HAL, ISO, ENF: 0 - 100%
SEV: 0 - 8%
DES: 0 - 18%
Accuracy
CO₂: ± (0.2% ABS + 2% REL)
O₂: ± (1% ABS + 2% REL)
N₂O: ± (2% ABS + 2% REL)
HAL, ISO, ENF: ± (0.15% ABS + 2% REL)
SEV: ± (0.15% ABS + 2% REL)
DES: ± (0.15% ABS + 2% REL)
Breath Rate: 0 - 150 bpm, ±1bpm

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: ± (0.2% + 5% of reading)@(0 ~ 10%)
± (0.2% + 8% of reading)@(0 ~ 10%)
RR : ±1BPM
N₂O : ± (2% + 3% of reading)
Sevoflurane : ± (0.15% + 5% of reading)@(5 ~ 10%)
± (0.3% + 10% of reading)@(5 ~ 10%)
Isoflurane : ± (0.15% + 5% of reading)@(0 ~ 5%)
± (0.15% + 10% of reading)@(5 ~ 8%)
Enflurane : ± (0.15% + 5% of reading)@(0 ~ 5%)
± (0.3% + 5% of reading)@(5 ~ 8%)
Enflurane : ± (0.15% + 5% of reading)@(0 ~ 10%)
± (0.3% + 10% of reading)@(5 ~ 22%)



Multi-parameter Patient Monitor

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

- 8" Color TFT LCD Screen,optional touch screen,Display Resolution: 800*600
- 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 12-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 multiple languages
- PVI (Pleth Variability Index)
- USB support PDF file export

Standard


3/5-Leads
ECG


SPO2


NIBP


RESP


TEMP


PR/HR

Optional

Touch Screen

EtCO2

Wall Mount

Rolling Stand

Disposable Spo2 Probe

CMS

WIFI

AG

Nurse Call

Children Accessories

Newborn Accessories

Car power cord

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℃
Storage: -20 ~ 50℃
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
4h operating after full charge
5min operating after low battery alarm
Input power: Pmax=90VA
FUSE: T1.5AL 250V
Dimension and Weight
Equipment: 310mm × 70mm × 160mm(about); 1.5kg(about)
Package: 265mm × 195mm × 225mm; 2.5kg(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



Rolling Stand



Standard Configuration



NIBP Cuff



Temperature Probe



Ground Wire



SpO2 Probe



ECG Lead Wires



ECG Electrodes



Power Cable



Wall Mount

Various Extensible interfaces

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

All-in-one

Standard: 5-leads ECG, RESP, SPO2,NIBP,TEMP
Option: Side stream /mainstream / Micro stream CO2

Option: WLAN modular

WIFI wireless connectivity realizes in hospital transportation