

Sincere, So Reliable

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±2%
Sensitivity: 5uV/V/mmHg
Channels: 2 channels
Measure Range: -50 ~ 360 (mmHg)
Resolution: 1mmHg
Accuracy(no sensor): ±2% or ±1mmHg, use the greater
Band Width
Normal mode: DC ~ 40Hz
Smooth mode: DC12.5Hz
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 ~ 150bpm

Recorder(optional)

Paper width: 48 mm
Speed: 25/50 mm/s
Wave channel: 3 channels

Depth of Anesthesia(optional)

EEG Sensitivity:±475 uV
CMRR:> 100 dB
input impedance:> 50 Mohm
Depth of anesthesia index:0-100
EMG:0-100
SQI:0-100
Suppression:0-100%

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 Monitor, Disposable EEG Sensor (Applicable to OSEN,BIS,GE),Patient monitor,Fetal Monitor,ECG Machine,Infusion Pump&Syringe Pump,Pulse oximeter, Blood pressure monitor,Thermometer,Fetal Doppler,etc.

Features

- 12.1" 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
- ST and 13 kinds arrhythmia analysis, pacemaker analysis, drug dose calculation
- Respiration monitoring with apnea alarms, alarm review, arrhythmia review
- Anti - defibrillation design, NIBP over pressure protection
- Rechargeable high energy built-in Li battery, AC/DC available, silent fanless design
- Maximum 14-channel waveforms display, the waveform color can be defined by user (7 colors)
- Support multiple languages
- Easy connecting with central monitoring system
- PVI (Pleth Variability Index)
- Digital SpO2 with excellent performance
- Unique human voice alarm

Standard


3/5-Leads
ECG


SpO2


NIBP


RESP


2-Temp


PR/HR

Optional

2-IBP

EtCO2

CMS

WIFI

AG

Nellcor Spo2

Rolling Stand

Touch Screen

Recorder

Suntech Blood Pressure

Disposable Spo2 Probe

Newborn Accessories

Wall Mount

Children Accessories

Depth of Anesthesia

Technical Specifications

Quality Standards and Classification: ISO13485
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

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

3.5h operating after full charge
5min operating after low battery alarm
Input power: Pmax=90VA
FUSE: T1.5AL 250V
Dimension and Weight
Equipment: 320mm × 255mm × 125mm(about); 3.4kg(about)
Package: 390mm × 310mm × 355mm; 5.5kg(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

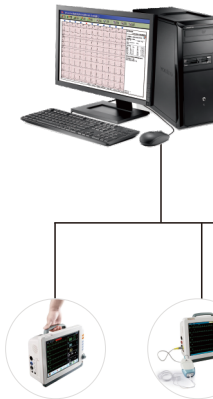
Sensitivity: > 200(uVp-p)
CMRR
Diagnostic Mode: >90dB
Monitor Mode: >110dB
Surgery Mode: >110dB
Differential Input Impedance: >5MΩ
Electrode offset potential: ±300mV
Calibration Signal: 1(mVp-p), Accuracy: 5%
HR Measure Range
Adult: 15 ~ 300bpm
Neonatal/Pediatric: 15 ~ 350bpm
Accuracy: ±1%
Resolution: 1bpm
Leakage Current: <10uA
Baseline Recovery: < 3S After Defl.
ECG Signal Range: ±8mV(Vp-p)

ST Segment
ST Segment Monitoring Range
Measure and Alarm: -2.0 ~ +2.0 mV

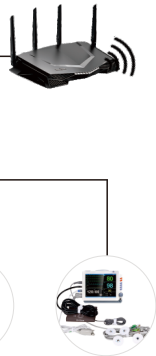
ARR Detecting
Type: ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, BRADY, MISSED BEATS, PNP, PNC, Alarm Available, Review Available



Central Monitor System



Router



Various Extensible interfaces

Standard: Ethernet Network, USB Port
Portable fixed handle

All-in-one

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

Option:Built-in Recorder & WLAN modular

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

Option: WIFI with smart IT solutions

- View up to 64 maximum bed on one platform in real-time 11 traces per monitor and 16 monitors on one screen
- Up to 720 hours trend data storage and review
 - Up to 720 alarm message storage and review
 - Up to 10000 history patient data review
 - Up to 72 hours 64 channels wave storage and review
 - Respond alarms from bedside monitors and make audio and visual alarm accordingly
 - Full wave form and parameter display for each bedside monitor
 - Print all trend wave and data to printer
 - Patient management
 - Wireless integration with Central Monitoring Station
 - Dynamic trends provide up to 240 hours of useful information for review
 - Review and manage patient data anytime and anywhere in and pre-hospital
 - Drug calculation and titration table;