ESM-900G

Patient monitor

INTENSIVE CARES

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Patient Monitor

- 15" color TFT display, high resolution 1024x768 dpi.
- Separated para board: ECG, NIBP, SpO_2 board.
- Full touch-screen enables intuitive operation by clicking one the specific parameters or the waveform in real time, standard configuration includes the navigation knob.
- Real time S-T segment analysis, and ARR analysis.
- SpO_2 Pitch Tone Variation and Drug Dose Calculation.
- Multi-display: Standard, Large font, Trend Coexis, OxyCRG dynamic.
- Standby mode for Energy saving and suspend monitoring.
- 7-lead ECG waveforms display in phase.
- Capture dynamic waveforms.
- Built-in rechargeable lithium battery, and battery volume checking.
- Efficient resistance to interference of defibrillator and HF knife.
- SINNOR F-6 SpO_2 workable for neonate.
- TCP/IP networking platform enable abundant future upgrade.
- Complete and flexible mounting solution for transportation and in-patient monitoring.

Standard parameters:
5-lead ECG, SpO_2(F-5), NIBP, RESP, 2xTEMP, PR

Optional :
Touch Screen, Thermal Recorder, 3/12-lead ECG, 2/4-IBP, $EtCO_2$, SpO_2(F-6), Multi-gas, Cardiac Output.

ECG cable

SpO_2 Sensor

NIBP Cuff

TEMP Sensor

Wall Mount

Trolley

ECG
Lead mode: 3/5-lead(R,L,F,N,C)
Lead selection: I,II,III,avR,avL,avF,V
Waveform: 3 and 7 channels selectable
Gain selection: 0.5mm/mv, 1mm/mv, 2mm/mv
Sweep speed: 12.5mm/s; 25mm/s; 50mm/s
Heart rate range: Adult: 15-300bpm;
Neonate/pediatric:15-350bpm
Accuracy: +1bpm or +1%, whichecer is greater
Resolution: 1bpm
Filter: Surgery mode:1-20Hz
Monitor mode: 0.5~40Hz
Diagnostic mode: 0.05~130Hz
Scaling signal: 1mv, +3%
Protection: withstand 4000VAC/50 voltage isolation against electrosurgical interference and defibrillation
Alarm range: 15-350bpm
S-T segment detecton:
Measurement range: -2.0mV~+2.0mV
Alarm Range: -2.0mV~+2.0mV
Accuracy: -0.8mV~+0.8mV
Error: +0.02Mv
Arrhythmia analysis: YES

SpO_2
Measurement range: 0~100%
Resolution: 1%
Accuracy: +2%(70~100%); 0-69% unspecified
Alarm range 0~100%
Pluse Rate: range:20~300bpm
Resolution:1bpm
Error:+1bpm or +2%, whichever is greater

NIBP
Method: Digital Automatic oscillometric
Operation mode: Manual/Automatic/continuous
Auto measurement time: Adjustable(1~480min)
Measurement Unit: mmHg/Kpa selectable
Measurement types: Systolic, Diastolic, Mean
Measurement tange:
Systolic pressure: Adult: 40~270mmHg
Pediatric: 40~220mmHg
Neonate: 40~135mmHg
Mean pressure: Adult: 20~235mmHg
Pediatric: 20~165mmHg
Neonate: 20~110mmHg
Diastolic pressure: Adult: 20~215mmHg
Pediatric: 10~150mmHg
Neonate :10~100mmHg
Over-pressure protection: Double safety protection
Resolution: 1 mmHg
Alarm: Systolic, Diastolic, Mean

RESPIRATION
Method: Thoracic impedance
Measurement range: Adult:7-120rpm;
Neonate/Pediatric:7-150rpm
Apnea alarm: YES, 10~40s
Resolution: 1rpm
Accuracy: +2rpm

TEMP
Compatible probe: YSI or CYF
Measurement range: 5~50°C
Resolution: 0.1°C
Accuracy: +0.1°C
Refreshing time: about 1s
Average measuring time: <10s

Optional Parameters

Recorder:
Recorder: Built-in, thermal array
Plethysmogram caveform: 2 channels
Record mode: manual, on alarm, time-defined
Recording width: 50mm
Printing speed: 50mm/s
Recording type: Frozen waveform record
NIBP recall record
Trend table record
Alarm record
Fixed -time record

IBP (invasive blood pressure)
IBP Waveform: 2-Channel
Max 8 channels
Measurement Range: -50~+350mmHg
Resolution: 1mmHg
Unit: mmHg, kPa
Accuracy:
Dynamc: ±4mmHg or 4%, whichever is greater
Sensitivity of transducer: 5 uV/V/mmHg, ±2%
Impedance of transducer:300~3000 Ohm
Transducer sites: Arterial Pressure(ART)
Pulmonary Artery Pressure(PA)
Left Atrium Pressure(LAP)
Right Atrium Pressure(RAP)
Central Venous Pressure(CVP)
Intracranial PRESSURE(ICP)
P1/P2
Selection of measurement range:
ART: 0~+350 mmHg
PA: -10~+120 mmHg
CVP/RAP/LAP/ICP:-10~+40mmHg
P1/P2: -50~+360mmHg

CE

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