



ESM-900G

Patient monitor



INTENSIVE CARES



ESM-900G

Patient Monitor



- 15" color TFT display, high resolution 1024x768 dpi.
- Separated para board: ECG, NIBP, SpO₂ 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.
- SpO₂ Pitch Tone Variation and Drug Dose Calculation.
- Multi-display: Standard, Large font, Trend Coaxis, 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 SpO₂ 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, SpO₂(F-5), NIBP, RESP, TEMP, PR

Optional :

Touch Screen, Thermal Recorder, 3/12-lead ECG, 2/4-IBP, EtCO₂, SpO₂(F-6), Multi-gas, Cardiac Output.



ECG cable



SpO₂ 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%, whichever 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

SPO₂

Measurement range: 0~100%
 Resolution: 1%
 Accuracy: +2%(70~100%); 0-69% unspecified
 Alarm range 0~100%
 Pulse 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 range:
 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:
 Dynamic: ±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



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