



ESM-600E

Patient monitor



INTENSIVE CARES



Technical Specifications

Display: 15" color TFT Touch Screen
 Resolution: 1024×768 dpi
 Sweep speed: 12.5mm/s,25mm/s,50mm/s
 Indicator: Power/battery indicator light
 Battery: Rechargeable lead acid cell, 12v/4AH Max.24H charging, 4H continue working
 Alarm: adjustable High, Medium and Low
 Networking: Connected to CMS TCP/IP netting platform

Trend:

parameters graphic and tabular trends: 5s/piece, 8 hours;
 1min/piece, 168 hours (24hourx7days); 5min/piece, 1000 hours,

Storage:

NIBP: 1000 groups;
 Alarm: 200 groups;
 Full disclosure waveforms: 1 hour

Standard Parameters

ECG:

Lead mode: 5-lead(R,L,F,N,C)
 Lead selection: I,II,III,avR,avL,avF,V
 Waveform: 3 and 7 channel 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 model: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%
 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 range:
 Range of Systolic pressure:
 Adult: 40 270mmHg Pediatric: 40~220mmHg
 Neonate: 40~135mmHg
 Range of mean pressure:
 Adult: 20-235mmHg Pediatric: 20~165mmHg
 Neonate: 20 110mmHg
 Range of diastolic pressure:
 Adult: 10~215mmHg Pediatric: 10~150mmHg
 Neonate :10~100mmHg
 Over-pressure protection:
 Double safety protection
 Resolution: 1 mmHg
 Alarm: Systolic.Diastolic, Mean

RESP:

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 1
 Average measuring time:<10s

Optional Parameters

IBP

Channel: 2 channels
 Range: -50-300mmHg
 Resolution: 1mmHg
 Accuracy: ±4mmHg(±4%)
 Unit: mmHg, Kpa
 Converter Sensitivity: 5mV/V/mmHg
 Transducer sites: ART/PA/CVP/LAP/RAP/ICP

EtCO2(Sidestream CO2)

Measurement range: 0~99mmHg
 Accuracy: +2mmHg (0-40mmHg)
 Sampling Range: 100ml/min
 Sampling rate accuracy: 15%
 Respiration rate: 0-120rpm
 Respiration accuracy: +2rpm (0~70rpm) +5rpm (>70rpm)
 Respiration time: <240msec (10% to 90%)
 Delay time: <2s



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