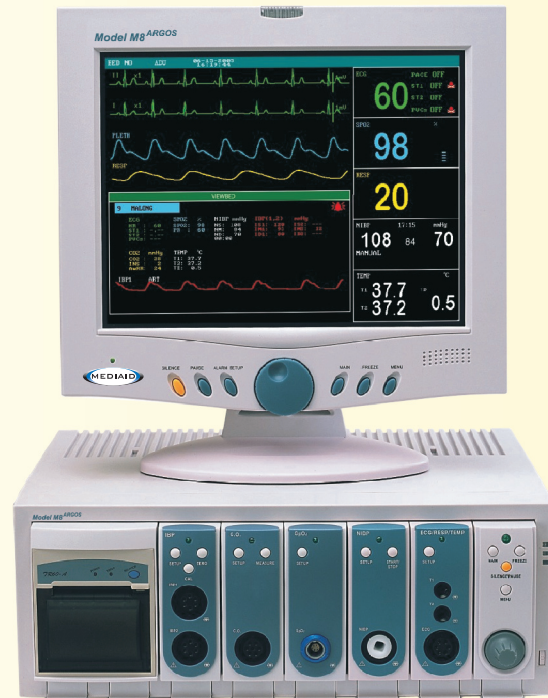




MODEL M8^{ARGOS}

Modular Vital Signs Monitoring System



"Viewbed Screen" Mode
One monitor's waveforms and measured values can be viewed from another monitor by simple LAN connection

Key Features

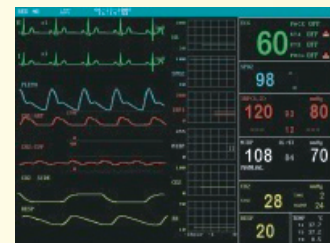
- 12.1" Color TFT display, 8 waveforms
- Arrhythmia analysis, multi-lead S-T segment analysis and pace maker detection
- 40-second full-disclosure waveform review
- Maximum 4-channel IBP
- Mainstream / Sidestream EtCO₂
- Networked monitoring



4-Channel IBP
Maximum 4-channel IBP for various clinical needs



Multi-Gas Measuring
To measure the concentration of EtCO₂, N₂O, O₂ and other five anesthesia gases, including Des, Enf, Sev, Hal, Iso



"Trend Screen" Mode
To display the trend data along with the waveforms and measured values (Trend time length: 2 hours)



MODEL M8 ARGOS

Modular Vital Signs Monitoring System

Technical specifications

Safety

Meet the requirements of IEC60601 serials, CE marking according to MDD93/42/EEC

Dimension and Weight

Dimension: 340mm (W) x 120mm (H) x 250mm (D)
Module: 40mm (W) x 100mm (H) x 155mm (D)
Weight: 7.3kg (Main unit with ECG, SpO₂, NIBP, Recorder)

Operation Environment

Power: AC100-240V, 50/60 Hz
Temperature: 0-40°C
Humidity: 15-95% (non-condensing)

Patient Range

Adult, pediatric and neonatal

Performance Specifications

Display: 12.1" color TFT
Resolution: 800x600
Trace: 8 waveforms
Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s

Indicator: Alarm indicator
Power indicator
QRS beep and alarm sound
Interface: Net Port
Trend time: 1-72 hours
Alarm: 3-level audible and visual alarm can be connected to Mediaid central station system
Networking:

ECG+RESP+DualTEMP MODULE

ECG

5-lead or 3-lead selectable

Input: 5-lead: RA; LA; RL; LL; V or R; L; N; F; C
3-lead: RA; LA; LL or R; L; F
Lead selection: 5-lead: I; II; III; avR; avL; avF; V(n)
3-lead: I; II; III

ECG waveform: 2 channels
Gain selection: x0.25; x0.5; x1; x2(mm/mV); auto
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Heart Rate range: Adult: 15-300bpm;

Pediatric/Neonatal: 15-350bpm
Accuracy: ±1bpm or ±1%, whichever is greater
Protection: Withstand 4000VAC voltage in isolation. Against electrosurgical interference and defibrillation

CMRR: Diagnostic mode: >90dB
Monitoring mode: >105dB
Operating mode: >105dB
Operation modes: Diagnostic, Monitor, Surgery
Bandwidth: 0.05-100Hz
Alarm range: Adult: 15-300bpm
Pediatric/Neonatal: 15-350bpm

YES
S-T detection: YES
Measurement range: -2.0mV~2.0mV
Alarm range: -2.0mV~2.0mV
Arrhythmia analysis: YES
Pace Detection: YES
Alarm: YES, audible and visual alarm, Alarm events Recallable

Respiration

Method: RA-LL impedance
Measurement range: Adult: 0-120rpm
Pediatric/Neonatal: 0-150rpm

Accuracy: 7-150rpm: ±2 rpm or ±2%, which ever is greater
0-6rpm unspecified
Alarm range: Adult: 0-120rpm
Pediatric/Neonatal: 0-150rpm
Apnea alarm: YES

Temperature

Measurement range: 0-50°C
Resolution: 0.1°C
Accuracy: ±0.1°C (not including probe)
Channel: Dual-channel
Alarm range: 0-50°C

NIBP MODULE

Method: Oscillometric
Operation modes: Manual/Automatic/STAT
Measurement unit: mmHg/kPa selectable
Measurement types: Systolic, Diastolic, Mean
Measurement range: Adult: 10-270mmHg
Pediatric: 10-200mmHg
Neonatal: 10-135mmHg

Over-pressure protection: YES
Resolution: 1mmHg
Accuracy: Mean error and standard deviation perANSI/AAMI SP-10
Systolic, Diastolic, Mean

SpO₂ MODULE

Measurement range: 0-100%
Resolution: 1%
Accuracy: 70-100% ±2%;
0-69% unspecified
Alarm range: 0-100%
Pulse rate: 0-254bpm
Range: 1bpm
Resolution: 1bpm
Accuracy: Pediatric & Adult ±2bpm (30-250bpm)
Neonate ±3bpm (30-250bpm)
Alarm range: 0-254bpm

Masimo SET SpO₂ MODULE

Measurement range: 1-100%
SpO₂ accuracy: No motion conditions
Adult/Pediatric: 70%-100% ±2%; 0-69% unspecified
Neonate: 70%-100% ±3%; 0-69% unspecified
During motion conditions: 70%-100% ±3%; 0-69% unspecified
Low perfusion performance: Pulse amplitude: > 0.02%
Light transmissivity: > 5%
SpO₂ accuracy: ±2%
PR accuracy: ±3 bpm
Range: 25-250 bpm
In static condition: ±3 bpm
In motion condition: ±5bpm

DUAL-IBP MODULE

Measurement range: -50~300mmHg
Channel: 2 channels
Pressure transducer: Sensitivity: 5 mV/V/mmHg
Impedance range: 300-3000rpm
Transducer sites: ART, PA, CVP, RAP, LAP, ICP
Measurement unit: mmHg/kPa selectable
Resolution: 1mmHg
Accuracy: ±1mmHg or ±2%, whichever is greater
Alarm range: -50~300mmHg

CO MODULE

Method: Thermodilution
Measurement range: CO: 0.1-20lit./min.
TB: 23-43°C
TI: CO: 0.1 lit./min.
-1-27°C
Resolution: CO: 0.1 lit./min.
Temperature: ±0.1°C
Accuracy: CO: ±2% or ±0.1L/min
TB: ±0.1°C
TI: ±0.1°C

EtCO₂ MODULE

Method: Infrared Absorption
Measurement Mode: Sidestream or Mainstream (optional)
Measurement range: EtCO₂: 0-99mmHg
InsCO₂: 0-99mmHg
AwRR: 0-150rpm (Mainstream)
0-120rpm (Sidestream)
Resolution: EtCO₂: 1mmHg
InsCO₂: 1mmHg
AwRR: 1rpm
Accuracy: CO₂ concentration: ±2mmHg (0-40mmHg)
±5% of reading (41-76mmHg)
±10% of reading (77-99mmHg)
±2rpm (Mainstream)
±2rpm (0-70rpm) (Sidestream)
±5rpm (>70rpm) (Sidestream)
Same as Measurement range
Alarm range: YES
Apnea alarm: YES

Muti-Gas/O₂ MODULE

Method: Infrared Absorption
Gas sorts: EtCO₂, N₂O, Des, Iso, Enf, Sev, Hal O₂ (optional, Paramagnetic sensor)
Measurement range: EtCO₂: 0-10% (0~76mmHg)
N₂O: 0~100%
O₂: 0~100%
Enf, Iso, Hal: 0~5%
Sev: 0~8%
Des: 0~18%
AwRR: 2-100rpm
Resolution: CO₂: 0.1% (1mmHg)
N₂O: 1%
O₂: 0.1% (1mmHg)
Enf, Iso, Hal, Sev, Des: 0.01%
1bpm
Resp rate: Fi and Et Values
Data output: 2~100 ±1bpm
Respiration rate: Up to 3 waveforms displayed
Agent mixture detection
Other: MAC value displayed

RECORDER MODULE

Thermal array, 2 channels
Record width: 48mm, (record paper 50mm)
Record speed: 25mm/s, 50mm/s

Standard configurations: Main unit, 12.1" TFT display with operating panel

Optional configurations: ECG+RESP+DualTEMP, NIBP, SpO₂, 2x DUAL-IBP, CO, EtCO₂, Multi-Gas/O₂, Operating module, Thermal Recorder

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