



MODEL M6^{ASTER}

**Vital Signs Monitoring System with
ECG/Resp, SpO₂, NIBP, Temp & Pulse Rate
Upgradable to IBP, EtCO₂**



Key Features

- 12.1 inch Color TFT Display with 9 waveforms
- Parameters include ECG/Resp, SpO₂, NIBP, Temp and Pulse Rate
- Optional: IBP, EtCO₂
- Arrhythmia Analysis, S-T segment analysis, HR analysis, NIBP and SpO₂ combined analysis.
- Maximum 72 hours trend data display and 2880 NIBP data storage
- Direct, Reverse and Quick NIBP measurement modes
- Suitable for adult, pediatric and neonatal patient
 - Networking capability
 - Protection function for NIBP over-range
 - Built-in rechargeable Battery



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Technical Specifications

Safety

Meets the requirements of IEC60601

Dimension and Weight

Dimension: 330mm (W) x 280mm (H) x 150mm (D)

Weight: 6.5kg

Operation Environment

Power: AC110~220V, 50/60 Hz

Temperature: 5~40 °C

Humidity: ≤ 80%

Application Scope

Adult, pediatric and neonatal

Performance Specifications

Display: 12.1" color TFT

Resolution: 800 x 600

Trace: 9 waveforms

Sweep speed: 6.25, 12.5, 25, 50 mm/sec

Indicator: Alarm indicator,
Power indicator,
QRS beep and alarm sound

Interface: Net Port

Battery: Rechargeable

Trend time: 1~72 hours

Alarm: 3-level audible and visual alarm

Networking: Can be connected to
central monitoring system

Recorder: Built-in, thermal array

ECG

5-lead selectable

Input: 5-lead: RA; LA; RL; LL; C

Lead selection: I; II; III; aVR; aVL; aVF; V

ECG selection: 7 channels

Gain waveform: x0.5; x1; x2; x4

Sweep speed: 12.5mm/s, 25mm/s, 50mm/s

Heart Rate range: Adult: 15~300bpm;
Pediatric/Neonatal: 15~350bpm

Accuracy: ±2bpm or ±2%, whichever is greater

Resolution: 1bpm

Protection: Withstand 4000VAC/50Hz voltage
in isolation. Against electro surgical
interference and defibrillation

CMRR: 85 dB

Calibration signal: 1mV±5%
Operation modes: Diagnostic, Monitor, Surgery
Bandwidth: 0.05~75 Hz
Alarm range: Adult: 0~300bpm
Pediatric/Neonatal: 0~350bpm
S-T detection: YES

Measurement range: -1.0mV~1.0mV
Alarm range: -1.0mV~1.0mV

Arrhythmia analysis: YES
Pacemaker analysis: YES
Alarm: YES, audible and visual alarm,
alarm events recall able

Respirations

Method: RA-LL impedance

Measurement range: Adult: 1~99 rpm

Pediatric/Neonatal: 1~99 rpm
1 rpm

Resolution: ±2 rpm

Accuracy: Adult: 1~99 rpm

Pediatric/Neonatal: 1~99 rpm

NIBP

Method: Oscillometric

Operation modes: Manual/Automatic

Measurement unit: mmHg/kPa selectable

Measurement types: Systolic, Diastolic, Mean

Measurement range: Systolic: 40~300 mmHg
Diastolic: 10~220 mmHg
Mean: 20~240 mmHg

Over-pressure protection : YES

Resolution: 1mmHg

Accuracy: Mean error and standard deviation
per ANSI/AAMI SP-10

Alarm: Systolic: 40~240 mmHg
Diastolic: 10~180 mmHg
Mean: 20~200 mmHg

Temperature

Measurement range: 0~45°C

Resolution: 0.1°C

Accuracy: ±0.2°C (including probe)

Channel: Dual-channel

Alarm range: 0~45°C

SpO₂

Measurement range: 0~100%

Resolution: 1%

Accuracy: 80~100% ±2digit
60~79% ±3digit
0~60% unspecified

Alarm range: 0~100%

Pulse Rate:

Range: 0~254 bpm

Resolution: 1 bpm

Accuracy: ±2bpm or ±2%, whichever is greater

Alarm range: 0~254 bpm

IBP

Measurement range: -100~400mmHg

Channel: 2 channels

Resolution: 1mmHg

Accuracy: ±1mmHg or ±2%, whichever is
greater

Alarm range: Sys 40~240mmHg

Dia 10~180mmHg

Mean 20~200mmHg

EtCO₂

Method: Infrared Absorption

Measurement Mode: Sidestream

Measurement range: 0 to 13%

Accuracy: <5% CO₂ (at ATPS): ± 2mmHg
>5% CO₂ (at ATPS): <10% of reading

Warm up Time: 2~15 seconds

Response Time: Detector: 28mSec (typical)

System: ~100mSec

Alarm range: Same as Measurement range

Standard configuration:

ECG/Resp, NIBP, SpO₂, Temp, One Battery

Optional configuration:

IBP, EtCO₂, Thermal Recorder

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