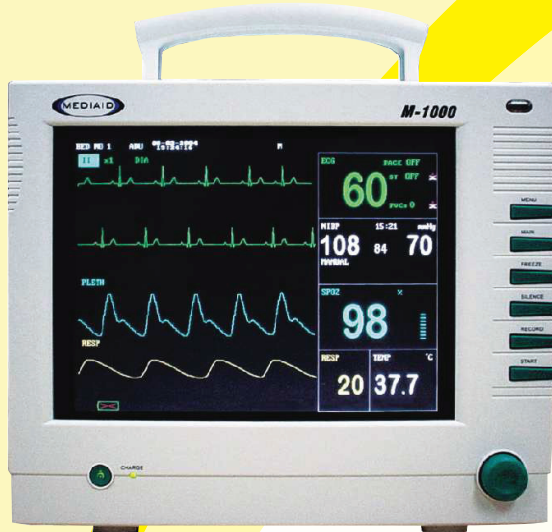




# MODEL 1000

## Vital Signs Monitoring System



### Key Features

- 10.4 inch Color TFT Display with 4 waveforms
- Parameters includes ECG/RESP, SpO<sub>2</sub>, NIBP, TEMP and Pulse Rate
- Maximum 72-hour graphic and tabular trends of all parameters
- Suitable for adult, pediatric and neonatal patient
- ST Segment Analysis
- Arrhythmia Analysis
- Networking Capability
- Pacemaker Detection
- Drug Calculations & Titration Table
- Alarm recall - 60 latest events with waveforms
- In-built rechargeable Battery



# MODEL 1000

## Vital Signs Monitoring System

### Technical Specifications

#### Safety

Meets the requirements of IEC 60601 series standards

#### Dimension and Weight

Dimension: 318mm (W) x 264mm (H) x 152mm (D)

Weight: 5.5 kg

#### Operation Environment

Power: AC100~250V, 50/60 Hz

Temperature: 0~40 °C

Humidity: 30~85%

#### Application Scope

Adult, pediatric and neonatal

#### Performance Specifications

Display: 10.4" color TFT

Resolution 640x480

Trace: 4 waveforms

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

Indicator: Alarm indicator

Power indicator

QRS beep and alarm sound

Interface: In-System Programming Port

Battery: Rechargeable

Trend time: 1~72 hours

Alarm: 3-level audible and visual alarm

Recorder: Built-in, thermal array, 2 channels

Record width: 48 mm (record paper 50 mm)

Record speed: 25 mm/s, 50 mm/s

#### ECG

Input: 3-lead: R; L; F or RA; LA; LL

Lead selection: I; II; III

ECG waveform: 1 channel (the 2nd waveform cascade)

Gain selection: x0.25; x0.5; x1; x2; auto

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

Heart Rate Range: Adult: 15~300bpm

Pediatric/Neonatal: 15~350bpm

Accuracy:  $\pm 1$ bpm or  $\pm 1\%$ , whichever is greater

Resolution: 1bpm

Protection: Withstand 4000VAC/50Hz voltage in isolation

Against electrosurgical interference and defibrillation

CMRR:

Diagnostic mode: >85dB

Monitoring mode: >105dB

Operating mode: >105dB

Calibration signal: 1mV $\pm$ 5%

Operation modes: Diagnostic, Monitor, Surgery

Bandwidth: 0.05~100Hz

Pace Detection: YES

Alarm range: Adult: 15~300bpm

Pediatric/Neonatal: 15~350bpm

S-T detection:

YES

Measurement range: -2.0mV~2.0mV

Alarm range: -2.0mV~2.0mV

Arrhythmia analysis:

YES

Pacemaking analysis:

YES

Alarm :

YES, audible and visual alarm, alarm events recallable

#### Respiration

Method: RA-LL impedance

Measurement range: Adult: 6-120rpm

Pediatric/Neonatal: 6-150rpm

Resolution: 1rpm

Accuracy:  $\pm 2$ rpm

Alarm range: Adult: 6~120rpm

Pediatric/Neonatal: 6-150rpm

Apnea alarm:

YES

#### NIBP

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 per ANSI/AMI SP-10

Alarm: Systolic, Diastolic, Mean

#### Temperature (Surface and Intracavity)

Measurement range: 0~50 °C

Resolution: 0.1 °C

Accuracy:  $\pm 0.2$  °C (including probe)

Channel: 1 channel

Alarm range: 0~50 °C

#### SpO<sub>2</sub>

Measurement range: 0~100%

Resolution:  $\pm 2\%$

Accuracy:  $\pm 2$  (70~100%); 0~69% unspecified

Alarm range: 0~100%

Pulse Rate:

Range: 25~254bpm

Resolution: 1bpm

Accuracy:  $\pm 2$ bpm or 2%, whichever is greater

Alarm range: 0-254bpm

#### Standard configuration:

ECG/RESP, NIBP, SpO<sub>2</sub>, TEMP, One Battery

#### Optional configuration:

Thermal Recorder

17517 Fabrica Way, Suite H; Cerritos, CA 90703 USA

p 714.367.2848 f 714.367.2852

[www.mediaidinc.com](http://www.mediaidinc.com) [info@mediaidinc.com](mailto:info@mediaidinc.com)