



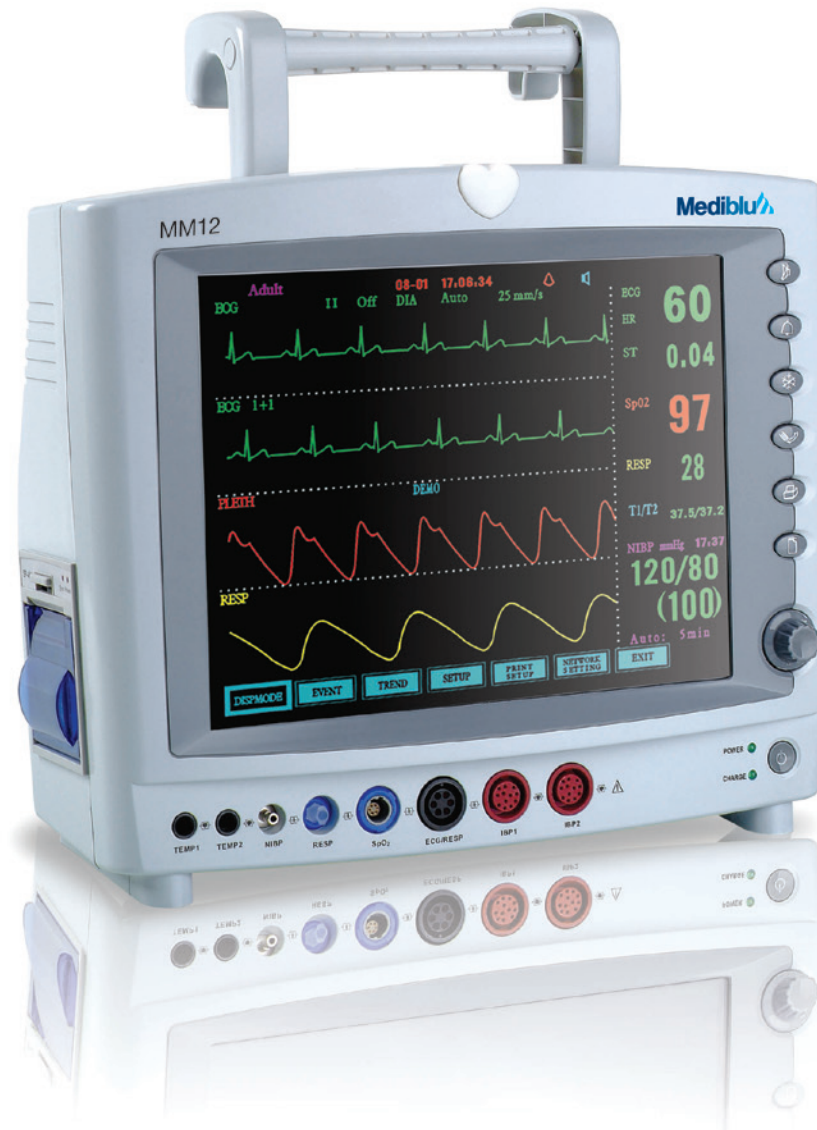
# MM12

PMU0012 Multi Parameter Monitor



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- 12.1" color TFT LCD screen with multi-channel waveform display.
- Battery: Rechargeable high-energy built-in battery.
- Advanced streamline outline design, portable, compact, Operating menu with multi-language interface selection: English, Spanish.
- Easy operation with user friendly menu structure design and rotary dial.
- Against & eliminate ESU interference & defibrillation, no need to disconnect the monitor from the patient in process of defibrillating.
- Three-application mode: monitoring, diagnosis, operating.
- WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible.
- Optional built-in wireless networking function, thermal printer and touch screen.
- 360 hours data storage.
- Drug dose calculation function.
- Intelligent audio and visual comprehensive alarm.
- In-hospital applications include emergency room's pre and post operative care, ICU, Operation room/theater, ambulatory surgery, intermediate care, labor and delivery, and hospital-based special procedure areas.
- Suitable for use in physicians' offices, clinics, outpatient surgical centers, extended care facilities and other patient care areas, which of require affordable monitoring.
- Suitable for adult, pediatrics, neonates.

## Technical Specifications

### ECG

Input: 3 wires /5 wires ECG cable  
Lead section: I,II,III/ I,II,III, aVR, aVL, aVF,V  
Gain(mm/mV): 1/4, 1/2, 1, 2, 4  
Sweep speed(mm/sec): 6.25,12.5, 25, 50  
Heart rate range: 10 to 300 BPM  
Heart rate accuracy:  $\pm 1\%$   
ST segment deviation analysis

### NIBP (Non-invasive blood pressure)

Measurement type: adult, pediatric, neonatal  
Measurement range: Systolic 4.0 - 37.0 kPa  
Diastolic 1.3 - 33.0 kPa  
Mean 2.6 - 35.0 kPa  
Accuracy:  $\pm 0.4$  kPa or 5 %  
Resolution: 0.1 kPa  
Tourniquet function

### Temperature (surface and rectal)

Measurement range: 0-50.0 °C  
Accuracy:  $\pm 0.1$  °C  
Resolution: 0.1 °C  
response time:  $\pm 3$  min.

### Respiration Rate

Measurement range: 0 - 200 BPM  
Accuracy:  $\pm 1$  BPM or 5 %  
Resolution: 1 BPM

### Pulse Rate

SpO2 measurement range: 0-100 %  
Resolution: 1 %  
Pulse measurement range: 30- 250BPM  
Accuracy:  $\pm 2\%$   
Resolution: 1 BPM

### IBP (Invasive blood pressure) (Option)

Measurement range: -1.3~40kPa (-10~300mmHg)  
Channel: 2 channels  
Transducer sensitivity: 5MVV/mmHg  
Unit display: KPa or mmHg selectable

### ETCO2 (main/side stream type) (Option) -Plug&Play

Measurement range: 0-150 mmHg  
(Barometric pressure supplied by Host)  
Accuracy: 0-40 mmHg  $\pm 2$ mmHg  
41-70 mmHg  $\pm 5\%$  of reading  
71-100mmHg  $\pm 8\%$  of reading  
101-150mmHg  $\pm 10\%$  of reading  
Above 80 breath per minute  $\pm 12\%$  of reading  
Sample rate: 50ml/min  
Response time: < 3 seconds-includes transport time and rise time

### Cardiac Output (Option)

Meathod: thermodilution  
Measurement range: CO: 0.1-20.0 L/min  
TB: 23-43  
TI: 0-27  
Resolution: CO: 0.1 L/min  
TI: 0.1  
TB: 0.1  
Accuracy: CO:  $\pm 0.2$  L/min or  $\pm 5\%$   
TB:  $\pm 0.2$   
TI:  $\pm 0.2$

Parameter output:  
Cardiac output Hemodynamics calculation

### Power requirements

Input: AC: 100/240 V, 50/60 Hz

Safety standard: IEC 60601-1  
Quality System: ISO13485: 2003  
Product Certificate: FDA

### OPTIONS

Touch Screen  
12 ECG Lead  
Nellcor Spo2  
Masimo Spo2  
IBP Range-50 to 300 mmHg  
Recorder

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