

BPM-1000 MATRON

Portable Patient Monitor

Experience the superiority of high-performance monitor, Matron.

You can get more and better than anything you have ever tasted before.



Multi-parameters of your demand in a simple pop-up menu.

Quick and easy to operate parameters put you right into the vital sign monitoring fast and accurately.

- SpO₂ with accuracy, stability, and compatibility outscoring others.
- NIBP with a patent pending "P-comfort" inflation and rejection mechanism.
- IBP provided with world standard sensor and accessories.
- 5-lead ECG / Arrhythmia Analysis.
- Respiration and dual Temperatures.
- EtCO₂
Orlidon.

Portable and powerful : anywhere and anytime on your premise.

- Ergonomic hand grip and soft touch buttons.
- Long battery life ensuring the safe and mobile monitoring
- "Glare-free" real-time data scrolling makes you have a stressfree data reading.
- Available rolling stand.

User-friendliness and convenience stand out in every function.

- Default 4 Screen Configuration
- Full color LCD with superior visibility.
- Up to 72 hours graphic and tabular trends and instant nine trends memory function
- Easy-to-Operate Hot keys.(Alarm, Screen, Freeze, NIBP, Print, Exit)
- Networking Capacity.
- Multi-language available.

* Screen



● Technical Specifications

■ Display

- Screen : 10.4" color TFT LCD
- Resolution : 640 x 480
- Trace : 6 Max.
- Sweep Speed : 6.3 / 12.5 / 25 / 50mm/s
- Indicator : AC power LED, Battery charging LED
- Alarm suspend LED, Alarm LED

■ ECG

- Input : 5-lead (I, II, III, aVL, aVR, aVF, V)
- ECG waveform : 1Channel (the 2nd waveform cascade)
2Channel (Optional)
- Sweep speed : 6.3 / 12.5 / 25 / 50mm/s
- Gain (Sensitivity) : 5 / 10 / 15mm/mV
- Pulse range : 20 to 300bpm
- Pulse accuracy : ± 2 bpm
- Lead-off Detection : Yes
- Arrhythmia Analysis : Yes

■ Respiration

- Measurement range : 0 ~ 150rpm
- Resolution : 1rpm
- Accuracy : ± 2 rpm
- Apnea delay : 10-40 sec (in 5 sec. Steps)

■ NIBP

- Technique : Oscilometric
- Operation mode : Manual
Automatic (2/5/10/15/30/60/120min)
- Inflation pressure range : 0-300mmHg
- Inflation pressure Max : Adult : 300 ± 5 mmHg
Neonate : 150 ± 5 mmHg
- Resolution : 1 mmHg
- Over-pressure protection : Yes
- Adult : Systolic(60-270),
Diastolic(40-245), Mean(45-255)
- Neonate : Systolic(50-130),
Diastolic(30-100), Mean(40-120)

■ SpO2

- Measurement range : 20-100%
- Measurement range accuracy : $\pm 2\%$
- Pulse rate range : 20-300bpm
- Pulse rate accuracy : ± 2 bpm
- SpO2 accuracy : $\pm 2\%$ (70-100%), $\pm 3\%$ (50-69%),
0-49% Unspecified
- Resolution : 1%

■ IBP (2 IBP / optional)

- Measurement range : -40 to 360mmHg
- Channel : 2 channel
- Resolution : ± 1 mmHg
- Accuracy : ± 2 mmHg
- Auto zero balancing range : ± 20 mmHg
- Alarm Range : -40 to 360mmHg

■ Temperature (2 Temperature)

- Measurement range : 10 ~ 45°C
- Accuracy : 0.1°C

■ EtCO2 (Optional)

- Measurement mode : Microstream
- Range : 0 ~ 99 mmHg

- Accuracy : 0 ~ 38 mmHg ± 2 mmHg
39 ~ 99 mmHg $\pm 5\%$ +0.08%
for every 1mmHg above 38mmHg
- Respiration rate : 0~150 breaths per minute
- Respiration accuracy : ± 1 breath per minute from 0 ~ 70bpm
 ± 2 bpm from 71~120bpm
 $\pm 3\%$ from 121 ~ 150bpm
- CO2 waveform
- Recognition : 5mmHg ± 2 mmHg bandwidth
- Start-up time : 30seconds typical
- Sampling rate : 50ml / minute ± 7.5 ml/min
- Auto zero : < 15seconds at 5, 10, 15 and 60minute then
every 60minutes thereafter.

*Recorder : (Optional)

- Method : Thermal
- Waveform channel : 2 (Max)
- Paper width : 57mm
- Type : Built-in

*Trend : 72hours

*Battery : Rechargeable Li-ion Battery

- Power requirements :
- Voltage input : 100-240VAC, 50-60Hz
- Power consumption : 90VA(max)

*Environmental Conditions

- Operating Temperature : 10 ~ 45°C (50 ~ 113°F)
- Storage Temperature : -10 ~ 50°C (14 ~ 122°F)
- Operating Humidity : 30 ~ 85% max, non-condensing
- Storage Humidity : 20 ~ 95% max, non-condensing



Accessory >>



All specifications are subject to change without notice

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