

Technical specifications:**M1000****Size and weight**

Size	220mmx180mmx90mm
Weight	<2kg

Feeding

Standard according to IEC 60601-1 and IEC 60601-1-2	
Input voltage	100V-240V AC
Frequency	50Hz/60Hz

Screen

Type & Size (diagonal)	8 inch Color TFT LCD
Resolution	800x600 pixels

Battery

Guy	Rechargeable lithium ion battery
Operating time	>6 Hours
Loading time	~4h

Interfaces and I/O device

keyboard and mouse	You accept
Barcode scanner	Accepts 1D barcode (USB connector)
Touch screen	Standard
wired network	1 standard RJ45 interface
usb connector	2 connectors

data storage

alarm event	128 groups of parameter alarm events and associated waveforms at the time of alarm. The length of the waveform is select between 8s, 16s and 32s.
-------------	---------------------------------------------------------------------------------------------------------------------------------------------------

Trend	Long trend: 168h the minimum resolution is 1min (saved when power off) High resolution trend: 2h, minimum resolution is 5s
-------	-------------------------------------------------------------------------------------------------------------------------------

ARR event	128 groups of ARR events and associated waveforms. The waveform length is selected between 8s, 16s and 32s.
-----------	-------------------------------------------------------------------------------------------------------------

NIBP	1000 groups
------	-------------

BLT Digital SpO2

Measurement range	0% ~ 100%
Resolution	1%
Precision	70% ~ 100% ±2%
	0% ~ 69% not specified

Pulse Rate

Measuring range	20bpm to 250bpm
Precision	±1% or ±1 bpm, whichever is greater

Temperature

Method	thermal resistance
Measuring range	0.0y to 50.0y(32y to 122y)
Precision	At 45.1~50.0y, ±0.3y (including probe) At 25.0~45.0y, ±0.2y (including probe) At 0.0~24.9y, ±0.3y (including probe)
Unit	Centigrade (y), Fahrenheit (y)

ECG

referrals	3 leads: I, II, III 5 leads: I, II, III, aVR, aVL, aVF, V
Standard of	AHA, IEC
Revenue	x0.25, x0.5, x1, x2, x4, Auto.
CMRR	Diagnostic mode y 89 dB Monitor mode y 105 dB Surgical mode y 105 dB

Bandwidth (-3dB)	Diagnostic mode: 0.05 Hz to 150 Hz Monitor mode: 0.5 Hz to 40 Hz Surgical mode: 1 Hz to 25Hz Input
------------------	----------------------------------------------------------------------------------------------------------

impedance y	5.0 My
ECG signal range	±10.0mV
Electrode Compensation Potential	±500Mv
Patient leakage current	< 10 uA
System noise y	30 yVpp (RTI)
standardization sign	1mV ± 5%

Baseline recovery Monitor mode	y 3s; Surgical mode: y 1s
Sweep speed	12.5 mm/s, 25 mm/s, 50 mm/s

heart rate

Measuring range	Adult 10bpm to 300bpm Pediatric & Neonatal 10 bpm to 350 bpm
Resolution	1 bpm
Precision	±1% or ±1 bpm, whichever is greater y0.20mVpp

Sensitivity of detection (Lead II)**arrhythmia analysis**

Guys	ASYSTOLE, VENT FIB/TACH, PAC, RUN PVCs, COUPLET, BIGEMINY, TRIGEMINY, R ON T, TACHY, BRADY, MISSED BEAT, ST Elevation, ST Depression, PNP, PNC, NOISE, V-TACH, VPB, Frequent PVCs, VENT BRADY, EXTREME TACHY, EXTREME BRADY, NON-SUSTAIN VT, VENT RHYTHM, PAUSE, IRREGULAR HR
------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Breathing

Method	Thoracic impedance
referrals	Selected from: y (RA-LA) or y (RA-LL)
Measuring range	0rpm to 150rpm
Sweep speed	6.25mm/s, 12.5mm/s, 25mm/s
Precision	±2rpm
Apnea alarm delay	10/15/20/25/30/35/40/45/50/55/60s

NIBP

Method	automatic oscillometry
measurement mode	Manual ,Auto,STAT
Auto measurement intervals:	1/2/3/4/5/10/15/30/60/90min, 2/4/8/12h.
Cycle time in STAT mode:	5 minutes continuously with 5s interval
Systolic range	30 to 270 mmHg Adult

	Pediatric	30 to 235 mmHg
	neonatal	30 to 135 mmHg
diastolic range	Adult	10 to 220 mmHg
	Pediatric	10 to 220 mmHg
	neonatal	10 to 110 mmHg
Average Range Adult		20 to 235 mmHg
	Pediatric	20 to 225 mmHg
	neonatal	20 to 125 mmHg

Average range	0 to 280 mmHg
Resolution	1mmHg
Static Pressure Accuracy	y ±3 mmHg
	Clinical: Average error ±5 mmHg
	Standard deviation: y8mmHg

Pulse Rate Range	40 bpm to 240 bpm
Overpressure protection software	Adult (297±3) mmHg Pediatric (252±3) mmHg Neonatal (147±3) mmHg

Measurement time	y20s to 45s (depends on Frequency cardiac & motion interference)
------------------	------------------------------------------------------------------

Standard configuration: 3/5 leads ECG, BLT Digital SpO2, NIBP, Rechargeable lithium battery, Touch screen

Optional: Stand with wheels, Wall mount

**Guangdong Biolight Meditech Co., Ltd.**

Add: NO.2 Innovation First Road, Technical Innovation Coast, Hi-tech Zone, Zhuhai, PR China, Postcode: 519085

Tel: +86-756-3399935 Fax: +86-756-3399911 E-Mail: overseas@blt.com.cn www.blt.com.cn

*Specifications subject to change without prior notice.
M1000-1812-eng -V1; Date: Dec. 2018**M1000**
Portable Patient Monitor



compact design

M1000 is easy to carry, weighing less than 1.6kg and has a built-in concealed handle, allowing it to be carried with just one hand while leaving the other free to operate the touch screen. So it's extremely portable.



powerful durability

IPX1 waterproof level
High quality components, minimal failure rate and long service life.
The extended battery life is for continuous monitoring of 10.5 hours maximum.



ease of use

8" TFT LCD high resolution touch screen.
With the new generation user interfaces, it is easy to connect to the monitoring system in the wired or wireless way. Various mounting solutions will help you making the jobs easier and more flexible in the clinical environment.
Strong, durable plastic housing helps resist aging and damage from disinfectants.



advanced performance

Comprehensive measurements: 3/5 leads ECG, NIBP, SpO2, TEMP. Like high-performance algorithms and large data storage capacity, the latest technologies are integrated for modern clinical applications.



An external power module is more durable and stable.
The low-power, fanless design makes the clinical environment cleaner and quieter.



Large data storage capacity: 168 trend hours (with 1 min interval), 2 trend hours (with 5 second interval), 128 ARR events and associated waveform, and 1000 NIBP measurement groups.



You can connect to Biolight's "Patient Data Review" software, manage and analyze patient data on your computer. So it is very convenient to produce relevant clinical reports.



Provide a variety of clinical installation solutions, mobile stand, wall mount, bed rail hook, rail clamp, meet all general clinical requirements.



The interfaces are easy to use and the optional touch screen makes for smoother operation. And the considerable ergonomic design of the 6° screen angle offers you the best perspective.



New BM1000 board, with highly integrated design, combines the motherboard and the multi-parameter module in one board. CPU speed increases 600% and RAM increases 400%. The optimized circuit design reduces power consumption when the service time of a single battery already reaches up to 10.5 hours.