

TECHNICAL SPECIFICATION:

Size and Weight

Size	160mm×130mm×260mm
Weight	2.5kg (including lithium battery)

Power

Input voltage	100V-240V AC
Frequency	50Hz/60Hz
Input power	70VA

Display

Type	Color Anti-glare TFT LCD
Size(diagonal)	7 inch
Resolution	234x480 pixels

Thermal Printer (Option)

Type	Thermal dot array
Paper width	50 mm
Recoding width	40 mm
Recording speed	25 mm/s
Recording waveform	Double tracks

Battery

Type	11.1V DC, 4000mAh
Operating time	8 hours
(Using a new and fully charged battery at 25 °C ambient temperature, connecting SpO2 sensor & NIBP work on AUTO mode for 15 minutes interval)	
Charge time	6h to 100% (Standby)

Data Storage

Clinical Mode:	
Patient quantity	1000
Recording number	16000
Single patient clinical record number	1~16000
Monitor mode:	
Patient quantity	1
Trend data	960 hours resolution 10min
Alarm event	1000
NIBP measurement record	5000

BLT Digital SpO2

Measurement range	0% ~ 100%
Accuracy	±2% (70% ~ 100%SpO2) (0%~69%unspecified)
Resolution	1%

PR

Measurement range	25 bpm to 255 bpm
Accuracy	±1% or ±1 bpm, whichever is the greater
Resolution	1 bpm

Masimo SpO2 (option)

Parameters	SpO2, PR, SpCO, SpMet, PI, SpHb, SpOC
Measurement range	0% to 100%
Accuracy	70% to 100% ±2% (adult/pediatric, non-motion) 70% to 100% ±3% (neonate, non-motion) 70% to 100% ±3%(motion conditions) 0% to 69% unspecified

PR

Measurement range	25 bpm to 240 bpm
Accuracy	±3 bpm(non-motion conditions) ±5 bpm(motion conditions)

Nellcor SpO2 (option)

Measurement range	0% to 100%
Accuracy	70% to 100%: ±2%(adult/pediatric) 70% to 100%: ±3%(neonate) 0% to 69%, unspecified

PR

Measurement range	20 bpm to 300 bpm
-------------------	-------------------

Standard configuration

BLT digital SpO2, NIBP, PR, Rechargeable lithium ion battery.

Option

Masimo SpO2, Nellcor SpO2, LoFlo Microflow EtCO2, BLT Sidestream EtCO2, BLT Mainstream EtCO2, Instant infrared ear thermometer, Fast temperature, Touch Screen

Accuracy	20 bpm to 250 bpm: ±3 bpm 251 bpm to 300 bpm: unspecified
NIBP	
Measurement way	Automatic oscillometry
Systolic range	Adult 30 to 270 mmHg 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
Mean range	Adult 20 to 235 mmHg Pediatric 20 to 225 mmHg Neonatal 20 to 125 mmHg
Pressure accuracy	Static ±3 mmHg Clinic: Average error ±5 mmHg Standard deviation: ≤ 8 mmHg
Cuff pressure range	0 to 300 mmHg
PR range	40 bpm to 240 bpm
Software overpressure protection	Adult (297±3) mmHg Pediatric (252±3) mmHg Neonatal (147±3) mmHg
MicroFlow EtCO2 (option)	
Measurement mode	Microflow
Sample flow rate	100 sample/s
Measurement range	0% to 19.7 %(0 mmHg to 150 mmHg)
Resolution	0.1% or 1 mmHg
Unit	%, mmHg, kPa
Accuracy	0 mmHg to 40 mmHg, ±2 mmHg 41 mmHg to 70 mmHg, ±5% of reading 71 mmHg to 100 mmHg, ±8% of reading 101 mmHg to 150 mmHg, ±10% of reading
awRR range	0 rpm to 150 rpm
awRR accuracy	0 rpm ~ 70 rpm: ±1 rpm;71 rpm ~ 120 rpm: ±2 rpm; 121 rpm ~ 150 rpm: ±3 rpm. 100 samples/s
BLT EtCO2 (option)	
Measurement mode	MainstreamEtCO2 / Sidestream EtCO2
Measurement range	0% to 19.7 %(0 mmHg to 150 mmHg)
Resolution	0.1% or 1 mmHg
Accuracy	± (0.43%+8% of reading)
awRR range	0 rpm to 150 rpm
awRR accuracy	1 rpm
Infrared Ear Temp (option)	
Measurement range	34.0°C ~43.0°C
Measurement part	Ear Cavity
Unit	°C, °F
Resolution	0.1°C/°F
Accuracy	Between 35.0°C ~42.0°C, ≤±0.2°C Beyond 35.0°C ~42.0°C, ≤±0.3°C
Measurement time	≤0.8s
Measurement interval time	12s
Memory storage	10
Fast Temp (option)	
Sensor type	Thermosensitive sensor
Measurement range	30.0°C ~43.0°C (86°F ~ 109.4°F)
Measurement part	Oral, Auxillary
Measurement modes	Fast mode, Monitor mode, and cold mode
Unit	°C, °F
Resolution	0.1°C/°F
Accuracy	Oral fast mode ±0.2°C Auxillary fast mode ±0.1°C Monitormode, Cold mode ±0.1°C Every 1s
Update time	About 800ms
Preheat time	About 800ms
Alarm range	30.0°C~43.0°C

Guangdong Biolight Meditech Co.,Ltd.

Add: NO.2 Innovation First Road,Technical Innovation Coast, Hi-tech Zone, Zhuhai, P.R. China.
Tel: +86-756-3399935 Fax: +86-756-3399911 E-mail: overseas@blt.com.cn Postcode: 519085 Web: global.blt.com.cn



V6



VITAL SIGNS MONITOR

Mornitoring vital signs with ease and accuracy

BIOLIGHT V6

Vital Signs Monitor

V6 is designed for simplicity and reliability with clear displays for heart rate, blood pressure, respiratory rate, body temperature, oxygen saturation, and End-tidal carbon dioxide. Its durable construction, long-lasting battery, and portable design ensure reliable performance.



7-inch Color Touchscreen (option)

Sensitive and easy-to-use interface makes the operation smoother.



Infrared ear thermometer

It provides quick and precise temperature measurements in a second with comfortable and convenient use.



Physiological alarm light

The physiological alarm is divided into 3 levels (High / Medium / Low), and the physiological conditions of the patient are clearly indicated.



Rechargeable Lithium battery

It can offer more than 8 hours continuous operation.

Technical alarm light

Thermal recorder



BLT & Masimo SET® & Nellcor SpO₂

The gold standard SpO₂ solution outperforms all other pulse oximetry technologies, which provides clinicians with unmatched sensitivity and specificity.



Multiple EtCO₂ Measurements

V6 provides Mainstream, Sidestream, and Microflow EtCO₂ for the healthcare assistant to satisfy different hospital requirements.



Automatic oscillometry NIBP measurement

The advanced algorithm can cancel all kinds of motions and make the measurement result more objective and repeatable.



Fast Temperature

It provides the industry's most accurate and fastest readings in multiple easy-to-use formats.



Thermoprinter

It helps healthcare professionals get the efficient data documentation by seamlessly printing of vital signs data and waveforms.



Monitor / Clinic Working Mode

Interchangeable working modes, which make them appropriate for a range of clinical requirements and boosts productivity and staff satisfaction.



Bed hook & clamp, Rolling stand, Wall mount

Multiple mounting solutions offer the healthcare professionals to optimize the workflow efficiency and ensure patient safety.

Large Storage Capacity

V6 provides a large data storage in order to increase the efficiency of patient management. The healthcare professionals have access to historical patient information for accurate diagnosis, and treatment planning.

