BLT® BIOLIGHT

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M800

Handheld Pulse Oximeter

- Handhold design, Compact, light for carrying and handing
- 2.4" OLED display, high resuloution: 320*240 pixels
- Gravity sensor automatically change the direction of display
- Visual & sound alarms
- IPX1 Degree of protection against ingress of liquid
- Convenient AA size alkaline or rechargeable lithium batteries
- 3 AA batteries provide 16 hours of continous operation
- Max 60000 groups short trend data can be stored & reviewed
- Infrared Communication with computer

TECHNICAL SPECIFICATION: M800

Technical specifications

Safety standards

- SFDA classification : II
- CE classification : IIb
- Type of protection against electric shock: II, with internal power device
- Degree of protection against electric shock: CF
- Degree of protection against ingress of liquid: IPX1
- Equipment type: Handheld

Mechanical

- Dimension: 58.5mm(W)×123mm(H)×28mm(D)
- Weight: <200g

Battery

- Type: 3 AA Alkaline batteries or
- Lithlum ion rechargeable battery (Option)
- Runtime: ＞16 hours for normal measurement status

Display

- 2.4" OLED 320*240 pixels

Sound

- Gives audible alarm, button tone and beep tone
- Supports Pitch Tone and multi-level volume;
- Alarm tones meet the requirement of IEC 60601-1-8.

Data Storage

- Displaying way: Trend tabular
- Trend interval: 2 seconds to 30 minutes
- Trend parameter: PR, SpO2
- Trend data:Spot-checkmode: ID from 1 to 99, 300 group for each ID.
- Continuous monitor mode: 60000 group can be srored.
- Patient Range
- Adult, Pediatric and nenatal patients

BLT Digital SpO2

- Range: 0~100%
- Resolution: 1%
- Accuracy: 70% to 100%: ±2%
- 0% to 69%: unspecified
- Refreshing rate: <30 seconds
- Pitch Tone: with

PR

- Range: 25 bpm to 250 bpm
- Resolution: 1 bpm
- Accuracy: ±2% or ±1 bpm, whichever is the greater
- Refreshing rate: <30 seconds

Nellcor SpO2 (Option)

- Range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: ±3%
- 0% to 69%: unspecified
- Refreshing rate:7 seconds
- Pitch Tone: with

PR

- Range: 20 bpm to 250 bpm
- Resolution: 1 bpm
- Accuracy: ± 3 bpm
- Refreshing rate: 7s

ECG (Option)

- Lead type: Standard: 3 lead (RA, LA, LL or R, L, F)
- Lead: I, II, III
- Gain: 2.5mm/mV(×0.25), 5mm/mV(×0.5), 10mm/mV(×1)
- Input impedance: ≥5.0MΩ
- Input current: <0.1 uA
- Baseline recovery: Monitor mode: ≤ 3 s
- Electrode offset potential: ±500 mV d.c.
- ECG signal input range: -6.0mV to +6.0mV
- CMRR: Diagnostic mode ≥89dB
- Monitor mode ≥105dB
- Bandwidth (-3d B): Diagnostic mode: 0.05Hz to 100Hz
- Monitor mode: 0.5Hz to 40Hz
- Standardizing signal: 1mV ±5%
- Electrode off indicating: with
- Work mode: Monitor and Diagnostic mode
- HR range: 10 bpm ~300 bpm
- HR Resolution: 1 bpm
- HR Accuracy: ±1% or ±1 bpm, whichever is the greater
- Protection: defibrillator proof
- Baseline recovery: <5s after Defibrillation

Parameter :

- BLT Digital SPO2, Pulse Rate, Pleth bar & SpO2 waveform,

Option

- Nellcor SpO2, 3-lead ECG, infrared receiving adapter,
- Rechargeable lithium battery(include battery charger &
- AC-DC adapter),

* Specification subject to be changed without notice

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