ECOMED
Serving The HealthCare Industry

M800

Handheld Patient Monitor

- Monitoring parameter:
  SpO2,PR(Standard), Nellcor SpO2(Optional),
  ECG,RR(Optional)
- Portable, easy to carry
- 2.4”color TFT display with auto rotation function
- Selectable layout modes including font and waveforms
- Dual work modes: continuous monitoring & spot check
- Adjustable audio and visual alarms
- Large data storage capacity up to 300 groups per ID
- 3x AA batteries or rechargeable battery with charger stand(optional)
- Automatic power-off function for power saving
- Suitable for adult, pediatric and neonate
- Apply to hospital, clinic and home

Different mode optional

Easy to operate

Easy to carry

M800

Handheld Patient Monitor

TECHNICAL SPECIFICATION

Physical Specifications

Mainframe weight: <400g (full configuration, including the batteries)
Mainframe size: 58.5mm(W)×123mm(H)×28mm(D)

Environmental Specifications

Temperature: Operating: 5 ℃ to +40 ℃
Storage: -20 ℃ to +55 ℃

Atmospheric pressure: Operating: 700hPa to 1060hPa
Storage: 500hPa to 1060hPa

Humidity: Operating: 15% to 85%(non condensing)
Storage: 10% to 93%(non condensing)

Charging Specifications

AC-DC Adapter(Optinal): Input: 100 ～240VAC, 50/60Hz , 0.5A
Output: 5V, 1.5A

Battery Specification:
Type: 1.5V, AA alkaline battery
Capacity: 2000mAh
Quantity: 3
Run time: >14 hours
Shutdown delay: 10 min(After the first “low battery” alarm)

Display

Size: 2.4 inch
Resolution: 320*240 pixels

Indicating Lamp

Alarm indicating 1amp:(Yellow/Red)
Battery charging indicating lamp: 1 （orange）
When charged, it lights orange.
When fully charged or not charged, it doesn’t light.

Data Storage

Displaying way: Trend tabular
Trend interval: 10 seconds to 30 minutes
Trend parameter: HR, SpO2
Trend data:
Spot-check: ID from 1 to 99, 300 groups per ID.
Continuous: ID is 0, 30000 groups can be stored.

Standard Configuration: SpO2, PR, PI
Option: Nellcor SpO2, ECG, RR

BLT SpO2

Measurement range: 0~100%
Resolution: 1%
Accuracy: 70~100% : ± 2%
0% to 69%: unspecified
Refreshing rate: <13 seconds
Pitch Tone: with

PR

Measurement range：25 bpm ~250 bpm
Resolution: 1 bpm
Accuracy: ±1% or ±1 bpm, whichever is the greater
Refreshing rate: <13 seconds

Nellcor SpO2 (Optional)

Measurement range: 0%~100%
Resolution: 1%
Accuracy: 70% ~100% : ±2% ~±3%
0% to 69%: unspecified
Refreshing rate: 7 seconds
Pitch Tone: with

PR

Measurement range: 20 bpm ~300 bpm
Resolution: 1 bpm
Accuracy: 20 bpm～250 bpm: ± 3 bpm
251 bpm～300 bpm: unspecified
Refreshing rate: 7 seconds

ECG Specifications (Optional)

Lead type: Standard: 3-lead (RA, LA, LL or R, L, F)
Gain: 2.5mm/mV(×0.25), 5mm/mV(×0.5), 10mm/mV(×1)
Input impedance: ≥5.0MΩ
Input current: <0.1 uA
Baseline recovery: ≤ 3 s
ECG signal input range: -6.0mV to+6.0mV
CMRR: ≥90dB
Leakage Current: ＜10 uA
Frequency response: 0.5Hz - 40Hz
Standardizing signal: 1mV ± 5%
Defibrillator-proof
Electrode off indicating: with
HR range: 10 bpm ~300 bpm
HR Resolution: 1 bpm
HR Accuracy: ±1% or ±1 bpm, whichever is the greater

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