

# SM80

## Handheld Monitor



- View-position auto-flip for easy view
- Suitable for adult, pediatric and neonatal patients
- High resolution 2.4" color OLED display
- Selectable working modes: spot check and continuous monitoring
- Adjustable audible and visual alarms
- Long battery life with recharge seat



## SM80 Main Unit

### Safety standards

- SFDA classification:II
- CE classification:II b
- Type of protection against electric shock: II, with internal power device
- Degree of protection against electric shocks
- 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 Lithium ion rechargeable battery (Option)
- Runtime :> 16 hours for normal measurement status

### Display

- 2.4" OLED 320\*240 pixels

### Sound

- 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 groups for each ID
- Continuous monitor mode: 60000 groups can be stored
- Patient Range : Adult, Pediatric and neonatal patients

### Standard Digital SpO2

- Range: 0~100%
- Resolution: 1%
- Accuracy: 70% to 100%:  $\pm 2\%$   
0% to 69%: unspecified
- Refreshing rate :< 13 seconds
- Pitch Tone: yes

### Standard Parameter:

Standard Digital SpO2, Pulse Rate, Plath bar & Spo2 waveform,

### Optional:

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

### PR

- Range: 25 bpm to 250 bpm
- Resolution: 1bpm
- Accuracy:  $\pm 2\%$  or  $\pm 1\text{bpm}$ , whichever is the greater
- Refreshing rate :< 13 seconds

### Nellcor SpO2 (Option)

- Range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%:  $\pm 3\%$  ( Neonatal),  
 $\pm 2\%$  ( Adult/Child)  
0% to 69%: unspecified
- Refreshing rate: 7 seconds
- Pitch Tone: Yes

### PR

- Range: 20 bpm to 300 bpm
- Resolution: 1 pum
- Accuracy: 20bpm~250bpm  $\pm 3\text{bpm}$   
251~300bpm unspecified
- Refreshing rate: 7s

### ECG

- Lead type: Standard: 3 lead (RA, LA, LL or R, L, F)
- Lead: I , II ,III
- Gain: 2.5mm/mV (X0.25), 5mm/mV (X0.5), 10mm/mV (X1)
- Input impedance:  $\geq 5.0\text{M}\Omega$
- Input current: < 0.1uA
- Baseline recovery: Monitor mode:  $\leq 3\text{s}$
- Electrode offset potential:  $\pm 500\text{ mV d.c}$
- ECG signal input range: -6.0Mv to + 6.0mV
- CMRR: Diagnostic mode :  $\geq 90\text{dB}$
- Standardizing signal: 1mV  $\pm 5\%$
- Electrode off indicating: Yes
- Work mode: Monitor and Diagnostic mode
- HR range: 10 bpm ~ 300 bpm
- HR Resolution: 1bpm
- HR Accuracy:  $\pm 1\%$  or  $\pm 1\text{ bpm}$ , whichever is the greater



Specification subject to be changed without prior notice.

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