

# Patient Monitor

## V8

### Vital Sign Patient Monitor

#### > Features:

- 8" color TFT LCD Screen (Touchscreen is an optional)
- Portable, Lighter weight and sturdy design
- Flexible parameters configuration for different clinical environments
- Rechargeable Li-ion battery (up to 12 hours continuous working)
- Big font and color font display setting
- Spot-check and continuous monitoring mode
- Selectable for Adult, Pediatric and Neonatal patients
- Wired/Wireless CMS, support HL7 and protocol to HIS
- Barcode scanner support
- Thermal recorder support
- Graphical & tabular trend review
- 48h full disclosure wave review for each patient

#### > Measuring Specification:

##### > ECG (Standard)

Lead Mode: 5 Leads as standard, 3 leads for optional  
Heart Rate Display Tolerance:  $\pm 1\%$  or  $\pm 1$  bpm, whichever is higher  
Gain selection: 2.5 mm/mV, 5.0 mm/mV, 10.0 mm/mV, 20.0 mm/mV  
Sweep Speed: 6.25mm/s, 12.5 mm/s, 25.0 mm/s, 50.0 mm/s

##### > RESP (Standard)

Measuring Method: Thoracic electrical bioimpedance  
Wave gain: x0.25, x0.5, x1, x2  
Scan speed: 6.25mm/s, 12.5mm/s, 25mm/s

##### > SPO2 (Standard)

Measurement range: 0 to 100%  
Resolution: 1%  
Accuracy:  $\pm 2\%$  (70 ~ 100% for Adult/Pediatric)  
 $\pm 3\%$  (70 ~ 100% for Neonate)  
0% ~ 69%: Not specified.  
Refreshing Rate: 1S

##### > Pulse Rate (Standard)

Measurement range: 30 to 254bpm  
Resolution: 1bpm  
Accuracy:  $\pm 2$ bpm (non-motion)  
 $\pm 5$ bpm (motion)  
Refreshing Rate: 1S

##### > NIBP (Standard)

Measuring Method: Automatic oscillometric method  
Work Mode: Manual, Auto, STAT Measuring  
Measurement range: adult: 10 mmHg-270 mmHg  
pedi: 10 mmHg-200 mmHg  
neonate: 10 mmHg-135mmHg  
Resolution: 1 mmHg  
Interval: 1,2,3,4,5,10,15,30,60,90,120,180,240,480 min  
Cuff pressure range: 0-280mmHg

##### > TEMP(Optional)

Measuring Method: Thermal resistance method  
Measure and Alarm: 0°C-50°C  
Accuracy:  $\pm 0.1^\circ\text{C}$

##### > Massimo SPO2 (Optional)

Measurement range: 0 to 100%  
Resolution: 1%  
Accuracy:  $\pm 2\%$  (70 ~ 100% for Adult/Pediatric)  
 $\pm 3\%$  (70 ~ 100% for Neonate)  
0% ~ 69%: Not specified.  
Refreshing Rate: 1S

##### > Recorder (Optional)

Built in thermal dot array  
Horizontal Resolution: 16 dots/mm  
Vertical resolution: 8 dots/mm  
Paper speed: 25mm/s, 50mm/s  
Number of waveform channel: 3  
Measure and Alarm: 5°C-50°C  
Accuracy:  $\pm 0.1^\circ\text{C}$

##### > Infrared Ear Thermometer (Optional)

Display range: 34°C~42.2°C  
Operation ambient temperature range: 10°C~40°C  
Accuracy for displayed temperature range:  
>35°C~<42°C range  $\pm 0.2^\circ\text{C}$   
<35°C~>34°C range  $\pm 0.3^\circ\text{C}$

##### > Phaisen IRMA Sidestream CO2 (Optional)

Warm-up time: Full accuracy within 10 second  
Sampling flow rate: 50ml/min(+/-10min)  
Accuracy: 0~15% ( $\pm 0.2\%$  of the reading)  
15~25%, unspecified  
Measurement Range: 0~25%  
Rise time: 200 ms, typical at 50ml/min flow rate  
Total response time: within 3 seconds  
AWRR Range: 0~150bpm

##### > Phaisen IRMA Mainstream CO2 (Optional)

Measurement Range: 0~25%  
Warm-up time: Full accuracy within 10 seconds  
Accuracy: 0~15% ( $\pm 0.2\%$  of the reading)  
15~25%, unspecified  
AWRR Range: 0~150bpm

#### > Configuration:

- Standard 3 parameters: SPO2+NIBP, Li-ion Battery  
Optional: Masimo/Nellcor SPO2, Quick Temp, Barcode Scanner, Wired/Wireless CMS
- Standard 5 parameters: SPO2+NIBP+ECG+TEMP, Li-ion Battery  
Optional: Masimo/Nellcor SPO2, ETCO2, Quick Temp, Barcode Scanner, Thermal Recorder, Wired/Wireless CMS



Touch Screen (Optional)



Quick Temp (Infrared Ear Thermometer)



Portable Design



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