

Patient monitor



PM7

Multi-parameter Patient Monitor

> Features:

- Compact, lightweight and portable design with small size
- 7" TFT LCD screen with high resolution
- Large font display for better viewing
- Built-in rechargeable lithium battery can support 6 hours continuous working
- Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- Max 720 hours trend data review, plenty review storage
- Wired and wireless(optional) networking
- Multi-language can be selected
- Full alarm system
- Standard configuration including:
ECG, HR, NIBP, SPO2, TEMP, RESP, PR
- Optional for: Touchscreen, Massimo Spo2, Wifi, ETCO2

> Measuring Specification:

> ECG (Standard)

- Lead Mode: 5 Leads as standard, 3 leads for optional
- Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
Pedi: 15 bpm-350 bpm
Neonate: 15 bpm-350 bpm
- Heart Rate Display Tolerance: $\pm 1\%$ or ± 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: 12.5 mm/s, 25.0 mm/s, 50.0 mm/s

> RESP (Standard)

- Measuring Method: Impedance between RA-LL
- Waveform Sensitivity: $\times 1/4$, $\times 1/2$, $\times 1$, $\times 2$, $\times 4$
- Measuring Range: adult: 0 rpm-120 rpm
pedi: 0 rpm-150 rpm
neonate: 0 rpm-150 rpm
- Resolution: ± 1 rpm

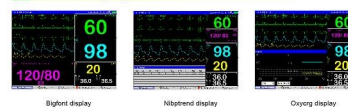
> SPO2 (Standard)

- Measurement range: 0 to 100%
- Resolution: 1%
- Accuracy: 70 ~ 100%: $\pm 2\%$ 0% ~ 69%: Not specified.
- Pulse Rate range: 25 to 240 bpm
- Resolution: 1 bpm
- Accuracy: ± 3 bpm

> Product Details:



> Screen Display:



> NIBP (Standard)

- Measuring Method: Automatic oscillometric method
- Work Mode: Manual, Auto, STAT Measuring
- Measurement range: adult: 10 mmHg-280 mmHg
pedi: 10 mmHg-220 mmHg
neonate: 10 mmHg-135mmHg
- Resolution: 1 mmHg

> TEMP (Standard)

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

> ETCO2 (Optional)

- Transducer Type: Sidestream type, mainstream type
- Measurement Range: 0% ~ 13%
- Resolution: 1 mmHg
- Accuracy: 2 mmHg @ $< 5.0\%$ CO (at ATPS)
- Breath Rate: 3 - 150 bpm, ± 1 bpm

> Physical Specifications

- Screen: 7" Color TFT LCD, 800*480 pixels resolution
- Dimension: 192*148*91mm
- Net weight: 1.2kg

Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. 300 Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

Patient monitor



PM8

Multi-parameter Patient Monitor

> Features:

- > 8" high resolution color TFT display
- > Elegant design appearance with carrying handle
- > Suitable for adult, pediatric and neonate patients
- > Built-in rechargeable lithium battery can support 6 hours continuous working
- > Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- > 1000pcs NIBP record storage, plenty review storage
- > Wired and wireless(optional) networking
- > Multi-language can be selected
- > Unique human voice alarms
- > Easy upgrading with USB port
- > Standard configuration including:
ECG, HR, NIBP, SPO2, TEMP, RESP, PR
- > Optional for: Touchscreen, Massimo SpO2, wifi, 2IBP, ETCO2, Anaesthesia Gas

> Measuring Specification:

> ECG (Standard)

- Lead Mode: 5 Leads as standard, 3 leads for optional
- Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
Pedi: 15 bpm-350 bpm
Neonate: 15 bpm-350 bpm
- Heart Rate Display Tolerance: $\pm 1\%$ or ± 1 bpm, whichever is higher

> RESP (Standard)

- Measuring Method: Impedance between RA-LL
- Measuring Range: adult: 0 rpm-120 rpm
pedi: 0 rpm-150 rpm
neonate: 0 rpm-150 rpm
- Resolution: ± 1 rpm

> SPO2 (Standard)

- Measurement range: 0 to 100%
- Resolution: 1%
- Accuracy: 70 ~ 100%; $\pm 2\%$
0% ~ 69%; Not specified.

> NIBP (Standard)

- Measuring Method: Automatic oscillometric method
- Measurement range: adult: 10 mmHg-280 mmHg
pedi: 10 mmHg-220 mmHg
neonate: 10 mmHg-135mmHg
- Resolution: 1 mmHg

> Product Details:



Fast key with wheel button



Parameter output



Portable design with handle

> Screen Display:



Bright display



Night display



Group display

> TEMP (Standard)

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

> IBP(Optional)

- Channels: two channel
- Measure Range: -50~ 360 (mmHg)
- Resolution: 1mmHg

> ETCO2 (Optional)

- Transducer Type: Sidestream type, mainstream type
- Measurement Range: 0% ~ 13%
- Resolution: 1 mmHg

> Responics ETCO2(Optional)

- Transducer Type: Sidestream type, mainstream type

> Anaesthesia Gas(Optional)

- Measurement method: Infrared radiation absorption characteristics
- Warm-up time: 30s

> Recorder(Optional)

- Wave Channel: 3 channel
- Paper Width: 48mm
- Paper Speed: 25/50mm/s

> Physical Specifications

- Screen: 8" Color TFT LCD, 800*600 pixels resolution
- Dimension: 239*248*170mm
- Net weight: 2.6kg

Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. 300 Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

Patient monitor



PM10

Multi-parameter Patient Monitor

> Features:

- > 10.1" high resolution LCD display with 1024*600
- > Slim style with 6cm only and net weight only 1.5kg
- > Built-in lithium battery last about 4 hours continuous working
- > Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- > Protected against defibrillation, ESU and myoelectric artifact
- > Dual channels and over pressure protect for NIBP
- > Full alarm features include alarm sound, alarm light, alarm message and human voice
- > Standard configuration including ECG, HR, NIBP, SPO2, TEMP, RESP, PR
- > Optional for: Touchscreen, Massimo Spo2, wifi, 2IBP, ETCO2, Anaesthesia Gas, Recorder

> Measuring Specification:

> ECG (Standard)

- Lead Mode: 5 Leads as standard, 3 leads for optional
- Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
Pedi: 15 bpm-350 bpm
Neonate: 15 bpm-350 bpm
- Gain selection: 2.5 mm/mV, 5.0 mm/mV, 10.0 mm/mV, 20.0 mm/mV

> RESP (Standard)

- Measuring Method: Impedance between RA-LL
- Measuring Range: adult: 0 rpm-120 rpm
pedi: 0 rpm-150 rpm
neonate: 0 rpm-150 rpm
- Resolution: ± 1 rpm

> SPO2 (Standard)

- Measurement range: 0 to 100%
- Resolution: 1%
- Accuracy: 70 ~ 100%; $\pm 2\%$
0% ~ 69%; Not specified

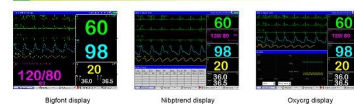
> NIBP (Standard)

- Measuring Method: Automatic oscillometric method
- Measurement range: adult: 10 mmHg-280 mmHg
pedi: 10 mmHg-220 mmHg
neonate: 10 mmHg-135mmHg
- Resolution: 1 mmHg

> Product Details:



> Screen Display:



> TEMP (Standard)

- Measure and Alarm: 0°C-50°C
- Accuracy: $\pm 0.1^\circ\text{C}$

> IBP(Optional)

- Channels: two channel
- Measure Range: -50~ 360 (mmHg)
- Resolution: 1mmHg

> ETCO2 (Optional, Chinese brand)

- Transducer Type: Sidestream type, mainstream type
- Measurement Range: 0% ~ 13%
- Resolution: 1 mmHg

> Anaesthesia Gas(Optional)

- Measurement method: Infrared radiation absorption characteristics
- Warm-up time: 30s

> Recorder(Optional)

- Wave Channel: 3 channel
- Paper Width: 48mm
- Paper Speed: 25/50mm/s

> Physical Specifications

- Screen: 10.1" Color TFT LCD, 1024*600 pixels resolution
- Dimension: 273*203*71mm
- Net weight: 1.5kg

Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. 300 Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

Patient monitor



PM12

Multi-parameter Patient Monitor

> Features:

- > 12.1" high resolution color display with touchscreen for optional
- > Up to 8 waveforms display
- > Friendly and configurable user interface
- > Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- > Unique human voice alarm
- > Connect with Central Monitoring System for optional
- > Online upgrading for easy update
- > Optional for dual IBP, ETCO2 and Multi-gas
- > With wall hanger or trolley for patient room solution
- > Standard configuration including ECG, HR, NIBP, SPO2, TEMP, RESP, PR
- > Optional for: Touchscreen, Massimo Spo2, wifi, 2IBP, ETCO2, Anaesthesia Gas, CSM module, Recorder, VGA

> Measuring Specification:

> ECG (Standard)

- Lead Mode: 5 Leads as standard, 3 leads for optional
- Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
Pedi: 15 bpm-350 bpm
Neonate: 15 bpm-350 bpm

> RESP (Standard)

- Measuring Method: Impedance between RA-LL
- Measuring Range: adult: 0 rpm-120 rpm
pedi: 0 rpm-150 rpm
neonate: 0 rpm-150 rpm
- Resolution: ± 1 rpm

> SPO2 (Standard)

- Measurement range: 0 to 100%
- Resolution: 1%
- Accuracy: 70 ~ 100%; $\pm 2\%$
0% ~ 69%; Not specified

> NIBP (Standard)

- Measuring Method: Automatic oscillometric method
- Measurement range: adult: 10 mmHg-280 mmHg
pedi: 10 mmHg-220 mmHg
neonate: 10 mmHg-135mmHg
- Resolution: 1 mmHg

> Product Details:



Touchscreen

Trolley

Wall hanger

> Screen Display:



Bright display



Night display



Oxygen display

> TEMP (Standard)

- Measure and Alarm: 0°C-50°C
- Accuracy: $\pm 0.1^\circ\text{C}$

> IBP(Optional)

- Channels: two channel
- Measure Range: -50~ 360 (mmHg)
- Resolution: 1mmHg

> ETCO2 (Optional)

- Measuring Mode: Sidestream type, mainstream type
- Measurement Range: 0% ~ 13%
- Resolution: 1 mmHg

> Resonics ETCO2(Optional)

- Transducer Type: Sidestream type, mainstream type

> Anaesthesia Gas(Optional)

- Measurement method: Infrared radiation absorption characteristics
- Warm-up time: 30s

> Recorder(Optional)

- Wave Channel: 3 channel
- Paper Width: 48mm
- Paper Speed: 25/50mm/s

> Physical Specifications

- Screen: 12.1" Color TFT LCD, 800*600 pixels resolution
- Dimension: 306*287*172mm
- Net weight: 3.4kg

Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. 300 Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

Patient monitor



PM15

Multi-parameter Patient Monitor

> Features:

- 15" high resolution color TFT display with fast keys
- Touchscreen for optional for easy operation
- Up to 10 waveforms display
- Automatic temperature drift treatment of NIBP measuring patented technology
- Friendly and configurable user interface
- Powerful data review
- Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- Unique human voice alarm
- USB port for software upgrade easily
- Large data store and review
- Connect with Central Monitoring System for optional
- Online upgrading for easy update
- Optional for dual IBP, ETCO2 and Multi-gas
- Support mounting and trolley solution
- Wireless network for optional
- Standard configuration including ECG, HR, NIBP, SPO2, TEMP, RESP, PR
- Optional for: Touchscreen, Massimo SpO2, wifi, 2IBP, ETCO2, Anaesthesia Gas, CSM module, Recorder, VGA

> Measuring Specification:

> ECG (Standard)

- Lead Mode: 5 Leads as standard, 3 leads for optional
- Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
Pedi: 15 bpm-350 bpm
Neonate: 15 bpm-350 bpm

> RESP (Standard)

- Measuring Method: Impedance between RA-LL
- Measuring Range: adult: 0 rpm-120 rpm
pedi: 0 rpm-150 rpm
neonate: 0 rpm-150 rpm
- Resolution: ± 1 rpm

> SPO2 (Standard)

- Measurement range: 0 to 100%
- Resolution: 1%
- Accuracy: 70 ~ 100%: $\pm 2\%$
0% ~ 69%: Not specified

> NIBP (Standard)

- Measuring Method: Automatic oscillometric method
- Measurement range: adult: 10 mmHg-280 mmHg
pedi: 10 mmHg-220 mmHg
neonate: 10 mmHg-135mmHg
- Resolution: 1 mmHg

> Product Details:



Parameter interface

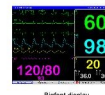


Trolley

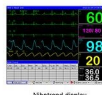


Wall hanger

> Screen Display:



Bigfont display



Nibpnd display



Oncyp display

> TEMP (Standard)

- Measure and Alarm: 0°C-50°C
- Accuracy: $\pm 0.1^{\circ}\text{C}$

> IBP(Optional)

- Channels: two channel
- Measurement Range: -50 ~ 360 (mmHg)
- Resolution: 1mmHg

> ETCO2 (Optional)

- Measuring Mode: Sidestream type, mainstream type
- Measurement Range: 0% ~ 13%
- Resolution: 1 mmHg

> Responics ETCO2(Optional)

- Transducer Type: Sidestream type, mainstream type

> Anaesthesia Gas(Optional)

- Measurement method: Infrared radiation absorption
- characteristics
- Warm-up time: 30s

> Recorder(Optional)

- Wave Channel: 3 channel
- Paper Width: 48mm
- Paper Speed: 25/50mm/s

> Physical Specifications

- Screen: 15" Color TFT LCD, 1024*768 pixels resolution
- Dimension: 340*368*185mm
- Net weight: 4.4kg

Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. 300 Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

Patient Monitor



V7

Vital Sign Patient Monitor

> Features:

- 7" color Screen, 16.9 LCD display
- Various Interface: standard, trend screen, oxyCRG, NIBP list, Big font
- Real time ST segment analysis, pacemaker detection, arrhythmia analysis
- Patient Info input management function
- Built-in rechargeable lithium battery can support 5 hours continuous working
- Max 960 hours trend data review, 400 groups of NIBP list, 60 alarm events records recall
- Multi-language can be selected
- Full alarm system
- Standard configuration including: ECG, HR, NIBP, SPO2, RESP, PR
- Optional for: TEMP, ETCO2, Printer

> Measuring Specification:

> ECG (Standard)

Lead Mode: 5 Leads as standard, 3 leads for optional
 Measuring Range of Heart Rate: Adult: 15 bpm-300 bpm
 Pedit: 15 bpm-350 bpm
 Neonate: 15 bpm-350 bpm
 Heart Rate Display Tolerance: $\pm 1\%$ or ± 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: 12.5 mm/s, 25.0 mm/s, 50.0 mm/s

> RESP (Standard)

Measuring Method: Impedance between RA-LL
 Measuring Range: adult: 0 rpm-120 rpm
 pedit: 0 rpm-150 rpm
 neonate: 0 rpm-150 rpm
 Resolution: ± 1 rpm

> SPO2 (Standard)

Measurement range: 0 to 100%
 Resolution: 1%
 Accuracy: 70 ~ 100%: $\pm 2\%$
 0% ~ 69%: Not specified.
 Pulse Rate range: 25 to 240 bpm
 Resolution: 1 bpm
 Accuracy: ± 3 bpm

> NIBP (Standard)

Measuring Method: Automatic oscillometric method
 Work Mode: Manual, Auto, STAT Measuring
 Measurement range: adult: 10 mmHg-280 mmHg
 pedit: 10 mmHg-220 mmHg
 neonate: 10 mmHg-135mmHg
 Resolution: 1 mmHg

> TEMP(Optional)

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

> ETCO2 (Optional)

Measuring Mode: Sidestream type, mainstream type
 Measurement Range: 0% ~ 13%
 Resolution: 1 mmHg
 Accuracy: 2 mmHg @ $< 5.0\%$ CO (at ATPS)
 Breath Rate: 3 ~ 150 bpm, ± 1 bpm

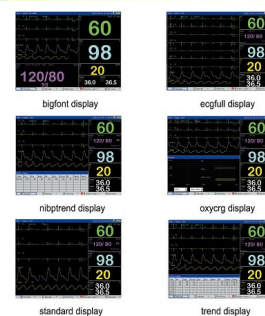
> Physical Specifications

- Screen: 7" Color TFT LCD, 800*480 pixels resolution
- Dimension: 175*140*300mm
- Net weight: 3.3kg

> Product details



> Screen Display



Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. Xixiang Dadao, Baoan District, Shenzhen, China
 Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com

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 ± 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: ± 2 bpm (non-motion)
 ± 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



Somo International Co., Ltd

Shenzhen Office: Floor 7, Jinyuan Commercial Building, No. Xixiang Dadao, Baoan District, Shenzhen, China
Tel : 0086-755 2772 8713 Fax : 0086-755 2772 5003 E-mail : sales@somo-med.com info@somo-med.com Website : www.somo-med.com