

SHC-MPM-TM 13 PATIENT MONITOR



HR analysis



Fanless design



Multi-language
interface



Display 7-lead ECG
on one screen



Adjustable volume



Waveform
review

The monitor is applicable for clinical monitoring in operating room, postoperative observation room, ICU/CCU ward, emergency room, etc. of adult, pediatric and neonate. The patient's vital parameters (FCG (including ST-segment measurement and arrhythmia analysis), RESP, SpO₂ PR, NIBP, TEMP, IBP and CO, etc.) can be monitored. Monitored information can be displayed, reviewed, printed and stored...

Features:

- 13.3 inch high resolution TFT touch screen
- 8 waveform display upto 12 lead ECG analysis
- Powerful calculation (Hemodynamic, dose, oxygenation, ventilation & renal function)
- ST & arrhythmia analysis
- SpO₂ support PVI and PI, low perfusion 0.2%
- Alarm is visible from 360 degrees
- Wired/Wireless CMS, support HL7 protocol to HIS
SpO₂ pulse- Tone modulation (Pitch Tone)
- HDMI support external display. Graphical and tabular trend review (120 hours)
- Transport Module available
- **Upgradable to Massimo, NMT, CO, AGM, 2XIBP, ETCO₂, EEG Module (Optional)**

Performance

ECG

Lead type:

3-lead: I, II, III

5-lead: I, II, III, AVR, AVL, AVF, V

12-lead: I, II, III, AVR, AVL, AVF, V1, V2, V3, V4, V5, V6

Gain: 2.5 mm/mV, 5.0 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV

Scan speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s

HR

Measurement and alarm range:

Adult: 15-300 bpm

Pediatric/neonate: 15-350 bpm

Resolution: 1 bpm

Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is greater

ST-segment detection

Measurement and alarm range: -2.0 mV+2.0mV

Accuracy: -0.8 mV-0.8mV ± 0.04 mV or $\pm 10\%$, whichever is greater

Other range: unspecified

Arrhythmia analysis: 23 kinds

Pacemaker: yes

RESP

Measurement mode: R-F (RA-LL) impedance

Respiration rate

Measurement range: 0rpm-150 rpm

Resolution: 1 rpm

Accuracy: 7-150 rpm, 2 rpm or $\pm 2\%$, whichever is greater;

0-6 rpm, unspecified

Apnea alarm: 10-60 s, not alarm

Scan speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50mm/s

NIBP

Measurement mode: Oscillometry

Working mode: Manual/AUTO/Continuous/Sequential

Measurement interval in AUTO mode: 1 min, 2 min, 2.5 min, 3 min,

5 min, 10 min, 15 min, 20 min, 30 min, 1 h, 1.5h, 2h, 3h, 4h, 8 h

Measurement period in Continuous mode: 5 minutes

Measurement and alarm range: 0-300 mmHg

Resolution: 1 mmHg

Cuff pressure accuracy: ± 3 mmHg

Measurement accuracy:

Maximal mean deviation: 5 mmHg

Maximal standard deviation: 8 mmHg

Over-pressure protection:

Adult mode: 297 ± 3 mmHg

Pediatric mode: 260 ± 3 mmHg

Neonatal mode: 147 ± 3 mmHg

TEMP

Channel: dual-channel

Measurement range: 0-50°C

Resolution: 0.1 °C

Accuracy ± 0.1 °C

SPO2

Measurement range: 0%-100%

Resolution: 1%

Accuracy: 70%-100%, $\pm 2\%$

0%-69%, unspecified

PR

Measurement and alarm range: 25-250.bpm

Accuracy: ± 2 bpm or $\pm 2\%$, whichever is greater

Co2

Measurement mode: mainstream or sidestream

CO2 measurement range: 0-150 mmHg

Accuracy:

0-40 mmHg: ± 2 mmHg

41-70 mmHg: Description $\pm 5\%$

71-100 mmHg: Description $\pm 8\%$

101-150 mmHg: Description $\pm 10\%$

AwRR measurement range:

Sidestream: 2~120 rpm

Mainstream: 2-150 rpm

R13PAwRR accuracy: ± 1 rpm

Apnea alarm: yes

IBP

Channel: 4-channel

Label: ART, PA, CVP, RAP, LAP, ICP, P1, P2

Measurement and alarm range: -50-300 mmHg

Resolution: 1 mmHg

Accuracy: $\pm 2\%$ or 1 mmHg, whichever is greater

Power supply: 100V-240V-50Hz/60Hz

Safety class: class i, defibrillation-proof type CF applied part

Waterproof degree: IPX2



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