

Specification: STAR8000(8000E)



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Patient Monitor

STAR8000 (8000E)



Standard Configuration:

ECG,RESP,Dual-Temp,SPO2,NIBP,PR

Optional Configuration:

Thermal Recorder

Safety Standards

ISO 13485:2003 approved, CE marking according to
MDD93/42/EEC

Physical Characteristics

Product Size: 300mmX267mmX132mm

Net Weight: 2.8kg

Operation Environment

working Temperature: 0-40°C

Humidity: 15-85%

Power Supply AC100-250V, 50/60Hz

Battery Type: Rechargeable lithium battery

Battery Capacity: 2200mA

Battery Recharging Time: Maximum 6.5 hours for charging;

Battery working time: 2 hours for continuous working

Performance Specifications

Patient range: Adult, Pediatric, Neonatal

Display: 12.1" color TFT screen

Resolution: 800x600

Trace 4 waveforms

Sweep Speed:

Indicator:

Interface:

Trend time:

Alarm:

Recorder:

Data:

Respiration

12.5mm/s, 25mm/s, 50mm/s

Dual alarm indicator lights

Power indicator light

Battery indicator light

QRS beep and alarm sound

Operating key sound

Parameter cable interface

AC power input socket

Software upgrade through

networking port or USB port

USB port

RJ45 port

Nurse call port

96 hours trending

User-adjustable High and Low
3-level Limits ;

Prioritized audible and visual
alarm

Built-in; thermal array

2 waveforms

Speed:25mm/s,50mm/s

Record width:50mm

Power-off storage

Method:	impedance method	Range of systolic pressure:	Adult Mode:40-270mmHg
RR measurement range:	Adult: 7-120bpm Pediatric/Neonate:7 -150bpm		Pediatric Mode:40-200mmHg Neonate Mode 40-135mmHg
Resolution:	±1 rpm	Range of diastolic pressure:	Adult Mode:10-215mmHg
RESP Apnea Alarm:	10s-40s		
Alarm:	Audible and visual alarm; alarm events recallable		Pediatric Mode:10-150mmHg Neonate Mode 10-100mmHg
Sweep Speed:	6.25、12.5、25mm/s	Range of mean pressure:	Adult Mode:20-235mmHg
Gain Selection:	X1, X2, X4		Pediatric Mode:20-165mmHg Neonate Mode 20-110mmHg
ECG			
Lead Type	5 Lead and 3 lead selectable	Over-pressure protection:	both Hardware and software over pressure protection
5-lead cable:	RA; LA; RL; LL; V or R; L; N; F; C	Accuracy:	Less than ±5mmHg
3-lead cable:	RA; LA; LL or R; L; F	Resolution	1mmHg
Lead selection:	5-lead: I; II; III; aVR; aVL;aVF; V 3-lead: I; II; III	Alarm	Systolic, Diastolic, Mean
Gain Selection	X0.25, X0.5, X1, X2	PR from NIBP:	40-240bpm
Sweep Speed	12.5, 25, 50mm/s	Temperature (Dual Channel)	
Heart Rate Range	Adult: 15-300bpm Pediatric/Neonate:15-350bpm	Measurement range:	0-50°C (32 to 122F)
Resolution:	1 bpm	Resolution:	0.1°C
Protection:	Withstand 4000VAC/50Hz voltage in isolation; Against electro-surgical interference and defibrillation;	Accuracy:	±0.1°C (without probe)
Accuracy:	±1% or ±2bpm (whichever is greater)	Channel:	2 channels, T1, T2, TD (Temperature Difference)
Filter	MON Mode:0.5 Hz~40 Hz DIA Mode: 0.05Hz~130 Hz OPE Mode:1 Hz~20 Hz ST Mode:0.2Hz~40Hz	Comen SPO2	
ST SEGMENT detection:	-2.0mV - +2.0Mv (Automatic)	Measurement & alarm range	0~100%
Arrhythmia analysis :	Yes	Resolution:	1%
pacemaker detection:	detectable	Accuracy:	±2% (70~100%,Ped, non-motion+ ±3% (70-100%, Neo, non-motion); 0-69% unspecified
NIBP		Alarm range	0~100%
Method	Automatic oscillometric	Pulse rate:	Range: 20~250bpm
Work mode:	Manual / Automatic/Continuous		Resolution:1bpm Accuracy: ±3bpm(non-motion) ±5bpm(motion) Alarm range:20~250bpm
Auto measure time:	Adjustable(1-480min)	*Notice: Specifications subject to changes without prior notice. All rights reserved by Comen	
Measurement Unit:	mmHg / Kpa selectable		
Measurement types:	Systolic, Diastolic, Mean		