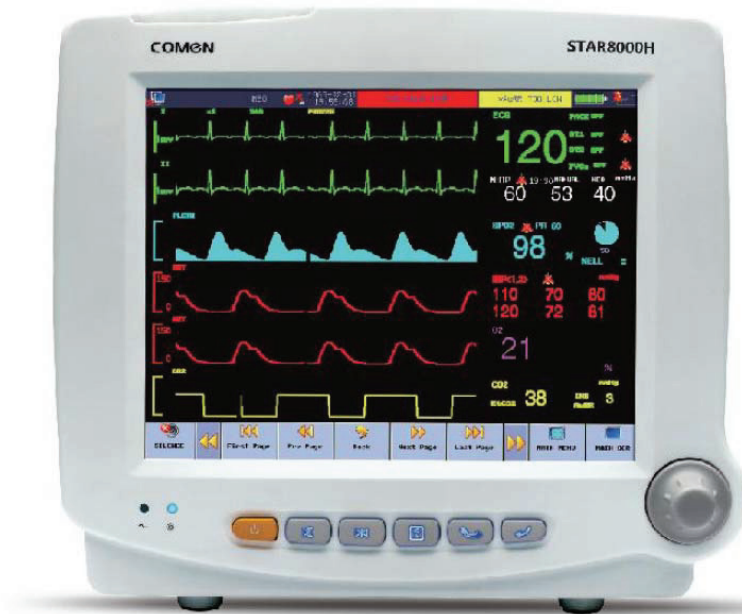


Patient Monitor

STAR8000H



Standard configuration:

ECG, RESP, Dual-Temperature, COMEN SPO2, NIBP, Reserved-EtCO2 interface

Optional:

EtCO2, Nellcor/masimo SpO2, Dual-IBP, Thermal Recorder

Safety Standards

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

Physical Characteristics

Product Size: 242mm×218mm×121mm
Net Weight: 2.8kg

Operation Environment

working Temperature: 0-40°C
Humidity: 15-85%
Power Supply AC100-250V, 50/60Hz
External Power Supply
Battery Type: Rechargeable plug & play battery
Lithium-ion
Battery Capacity: 4000mA
Battery Recharging Time: Maximum 6.5 hours for charging;
Battery working time: 3~4 hours for continuous working

Performance Specifications

Display: 8.4" color TFT touch screen
Resolution: 800x600
Trace: 4 waveforms(MAX)
Indicator: Dual alarm indicator lights
Power indicator light
Battery indicator light
QRS beep and alarm sound
Operating key sound
Interface: Parameter cable interface
AC power input socket
Software upgrade through networking port or USB port
USB port
RJ45 port
Alarm: User-adjustable High and Low 3-level Limits ;
Prioritized audible and visual alarm
Network: Connected to Central Monitoring System by hardwire/wireless
Recorder: Built-in; thermal array
2 waveforms

	Speed:25mm/s,50mm/s
	Record width:50mm
Data:	Power-off storage
Alarm Event Recall:	500 groups (120hours)
Wave Recall:	30 mins
NIBP Recall:	2000 groups
Trend Graph:	120 hours
Trend Table:	120 hours
Respiration	
Method:	impedance method
RR measurement range:	Adult: 0-120bpm Pediatric/Neonate: 0-150bpm
Resolution:	±1 rpm
RESP Apnea Alarm:	10s-40s
Alarm:	Audible and visual alarm; alarm events recallable
Sweep Speed:	6.25, 12.5, 25mm/s
Gain Selection:	X0.25, X0.5, X1, X2, X4
ECG	
Lead Type:	CardioTec™ ECG Analysis, 5 Lead and 3 leadselectable
5-lead cable:	RA; LA; RL; LL; V or R; L; N; F; C
3-lead cable:	RA; LA; LL or R; L; F
Lead selection:	12-Lead I; II; III; aVR; aVL; aVF; V1-V6. 5-lead: I; II; III; aVR; aVL 3-lead: I; II; III
Gain Selection:	X0.25, X0.25, X0.5, X1, X2, X4, auto
Sweep Speed:	6.25, 12.5, 25, 50mm/s
Heart Rate Range:	Adult: 15-300bpm Pediatric/Neonate: 15-350bpm
Resolution:	1 bpm
Protection:	Withstand 4000VAC/50Hz voltage in isolation; Against electrosurgical interference and defibrillation;
Accuracy:	±1% or ±2bpm (whichever is greater)
Bandwidth :	MON Mode: 0.5 Hz ~ 40 Hz DIA Mode: 0.05Hz ~ 130 Hz OPE Mode: 1 Hz ~ 20 Hz ST Mode: 0.2Hz ~ 40Hz
STSEGMENT detection:	-2.0mV - +2.0Mv (Automatic)
Arrhythmia analysis :	Yes
pacemaker detection:	detectable

NIBP

Method	Automatic oscillometric
Work mode:	Manual / Automatic/Continuous
Auto measure time:	Adjustable(1-480min)
Measurement Unit:	mmHg / Kpa selectable
Measurement types:	Systolic, Diastolic, Mean
Range of systolic pressure:	Adult Mode:40-270mmHg Pediatric Mode:40-200mmHg Neonate Mode 40-135mmHg Adult Mode:10-215mmHg
Range of diastolic pressure:	Pediatric Mode:10-150mmHg Neonate Mode 10-100mmHg Adult Mode:20-235mmHg
Range of mean pressure:	Pediatric Mode:20-165mmHg Neonate Mode 20-110mmHg
Over-pressure protection:	both Hardware and software over pressure protection
Accuracy:	Less than ±5mmHg
Resolution	1mmHg
Alarm	Systolic, Diastolic, Mean
PR from NIBP:	40-240bpm
Temperature (Dual Channel)	
Measurement range:	0-50°C
TEMP sensor:	Standard configuration- skin TEMP sensor,
Resolution:	0.1°C
Accuracy:	±0.1°C (exclusive of error of sensor)
Channel:	T1, T2, TD (Temperature Difference)
Nellcor SPO2	
Measurement & alarm range:	0~100%
Resolution:	1%
Accuracy:	±2% (70-100%, MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I and MAX-FAST sensors); ±3% (70-100%, D-YS, DS-100A, OXI-A/N and OXI-P/I sensors); 0-69% unspecified
PR Measurement	20~300bpm
Range:	
Resolution:	1bpm
Accuracy:	±3bpm
Alarm range:	20-250bpm

Masimo SPO2

Measurement & alarm range	1~100%
Resolution:	1%
Accuracy:	±2% (70~100%, Ped, non-motion+ ±3% (70-100%, Neo, non-motion); 0-69% unspecified
Alarm range	0~100%
Pulse rate:	Range: 25~240bpm Resolution:1bpm Accuracy: ±3bpm(non-motion) ±5bpm(motion) Alarm range:25~240bpm

Comen SPO2

Measurement & alarm range	1~100%
Resolution:	1%
Accuracy:	±2% (70~100%, Ped, non-motion+ ±3% (70-100%, Neo, non-motion); 0-69% unspecified
Alarm range	0~100%
Pulse rate:	Range: 20~300bpm Resolution:1bpm Accuracy: ±3bpm(non-motion) ±5bpm(motion) Alarm range:20~250bpm

NIBP

Method	Automatic oscillometric
Work mode:	Manual / Automatic/Continuous
Measurement Unit:	mmHg / Kpa selectable
Measurement types:	Systolic, Diastolic, Mean
Range of systolic pressure:	Adult Mode:40-270mmHg Pediatric Mode:40-200mmHg Neonate Mode 40-135mmHg
Range of diastolic pressure:	Adult Mode:10-215mmHg Pediatric Mode:10-150mmHg Neonate Mode 10-100mmHg
Range of mean pressure:	Adult Mode:20-235mmHg Pediatric Mode:20-165mmHg Neonate Mode 20-110mmHg
Over-pressure protection:	both Hardware and software over pressure protection
Accuracy:	Less than ±5mmHg

Resolution	1mmHg
PR from NIBP:	40-240bpm

Temperature (Dual Channel)

Measurement range:	0-50°C (32 to 122F)
Resolution:	0.1°C
Accuracy:	±0.1°C (without probe)
Channel:	2 channels, T1, T2, TD (Temperature Difference)

IBP

Channel	4 channels
Measured Pressure Measurement	AVP, CVP, PAR, LAP, RAP, ICP -10mmHg~300mmHg
Range:	
Alarm Range:	-50mmHg~300mmHg
Accuracy:	±2% or ±1mmHg, whichever is greater

EtCO2(Sidestream)

CO2 Measurement Range:	0 -150 mm Hg, 0 to 79%, 0 to 20kPa (at 760mmHg)
Accuracy:	± 2 mm Hg (0 – 40 mm Hg) ± 5% of reading (41 – 70 mm Hg) ± 8% of reading (71 –100 mm Hg) ± 10% of reading (101 –150 mm Hg)
awRR range	0-150rpm
RR accuracy:	±2rpm (0-70rpm) ±5rpm (> 70rpm)
Response time:	< 240msec (10% to 90%)
Delay time:	< 2s

EtCO2(mainstream)

CO2 Measurement Range:	0 -150 mm Hg, 0 to 79%, 0 to 20kPa (at 760mmHg)
Accuracy:	± 2 mm Hg (0 – 40 mm Hg) ± 5% of reading (41 – 70 mm Hg) ± 8% of reading (71 –100 mm Hg) ± 10% of reading (101 –150 mm Hg)
awRR range	0-150rpm
awRR precision	±2rpm (0-70rpm) ±5rpm (> 70rpm)
Delay time:	< 2s

***Notice: Specifications subject to changes without prior notice. All rights reserved by Comen**

