

STAR5000

Fetal Monitor

STAR5000C

Fetal/Maternal Monitor

Technical Specification

Physical Characteristics:

Carton size: 420mm × 250mm × 340mm
Weight: Approximate 7.5kg

Performance Specification:

Display: 12-inch TFT touch folding up LCD
Resolution: 800 × 600
Recorder: 1/2/3 cm/min real-time printing speed
Fast print speed (stored traces) up to 25mm/sec
Paper: 112mm, Z-fold, thermal paper
International standard

Ultrasound

Technique: Ultrasound Pulse Doppler with autocorrelation
Ultrasound Frequency: 1MHz-3MHz
Ultrasound output intensity: $I_{\text{SPPA}} < 20\text{mW/cm}^2$
Accuracy: $\pm 1\text{bpm}$
Resolution: $\pm 1\text{bpm}$
FHR range: 30 bpm ~ 250bpm

TOCO

Working mode: Pressure transducer
TOCO measurement range: 0-100 Relative (%)
Resolution: 1 count
Zero mode: Auto/Manual
Non-linear error: $\pm 8\%$

Auto Fetal Movement (AFM)

Manual Fetal Movement (FM)
Technique: Pluse Doppler ultrasound
Measurement range: 0%-100%
Resolution: 1%

ECG

ECG waveform: Manual control ECG waveform display
ECG falls off: Detect automatically
Heart Rate Measurement Range: 15bpm-300bpm
Accuracy: $\pm 1\text{bpm}$

Sweep Speed: 12.5mm/s, 25 mm/s, 50 mm/s
CMRR: >110dB

SpO2

Measurement range: 0-100%
Alarm range: 0-100%
Resolution: 1%
Accuracy: 90-100% 1%
7%-90% 2%
Pulse Rate Measurement range: 20~300 bpm
Accuracy: 1bpm

NIBP

Measurement method: Automatic vibration
Work mode: Manual / Automatic/Continuous
Measurement types: Systolic, Diastolic, Mean
Measurement Range:
Systolic pressure: 40~270mmHg
Mean pressure: 20~235mmHg
Diastolic pressure: 10~215mmHg
Accuracy: 5mmHg
NIBP pressure range: 0~300 mmHg
Auto measurement time: 1~480minutes
Over-pressure protection: Double safety protection

Temperature (TEMP)

Measurement range: 0-50C
Accuracy: 0.1C
Measurement unit: C / F selectable

Respiration (RESP)

Method: R-F(RA-LL) impedance method
RR measurement range:
Adult: 7-150bpm
Accuracy: $\pm 1\text{bpm}$

Battery

14.8V rechargeable Lithium-ion battery
Continual working time: 2-4hours
Power Supply: 100~250(V) AC, 50/60 (Hz)

Configuration	STAR5000	STAR5000C
FHR	✓	✓
TOCO	✓	✓
FM	✓	✓
AFM	✓	✓
MECG	X	✓
NIBP	X	✓
MSpO2	X	✓
TEMP	X	✓
Twins	✓	✓
Lithium-ion Battery	✓	✓
Built-in Printer	✓	✓
Touch Screen	✓	✓

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STAR5000

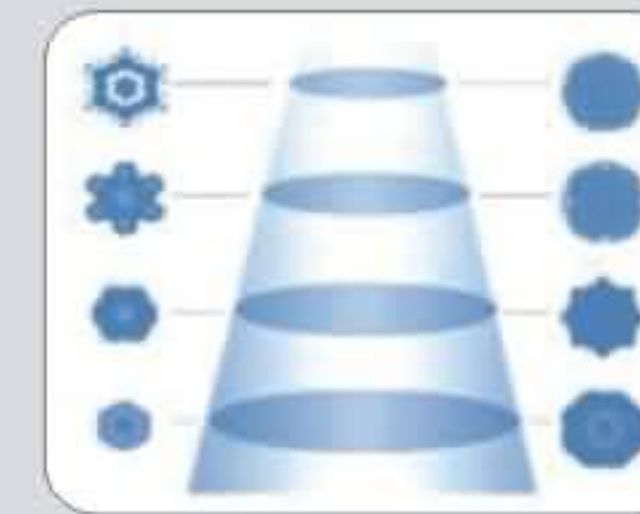
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www.szcomen.com





Nautilus 9-crystal Ultrasound Transducer



Invisible Handle



12.1 touch screen



Wall Mount Solution

STAR5000

Fetal Monitor

STAR5000C

Fetal/Maternal Monitor

Features:

Special Design

12.1 inch folded TFT touch screen. Wall mounting rack, hidden handle for easy carrying.

Super Display

Support Fetal Monitor display, Maternal Monitor display, Big Font display, Parameter List display etc.
Support patient information input. Color of parameter and waveform is adjustable.

Powerful Functions

120 hours CTG storage and real time waveforms display.
96 hours Trend Graphic.
400 groups data trend list
1 hour sound simultaneous store and playback
Fast print for stored traces.
Automatic scoring system
9-crystal and 1MHz water-proof transducer for accurate detection
Multi displays: Main display, Fetal Parameter Display, Trend Graphic Display, Big Font Display, Maternal Parameter Display

Alarm System

3-level intellectualized light/audio alarm and recall.
Alarm event recall

Network System

USB socket and Ethernet socket reserved to extend function.
Wired and wireless network support, maximum 128 units of bedside monitor to form a super central monitoring system.



Printer

Built-in long life thermal array printer.
112mm universal thermal recording paper.
1/2/3cm/min Real-time speed selectable.

Probes

Individual transducer for accurate detection, FHR, FM, TOCO probes.
Twins monitoring support.

Monitoring

With fetal external parameter (Twins monitoring, external uterine contraction),
And maternal parameters (NIBP, ECG, TEMP, SpO2), STAR5000C can meet the needs of antepartum, intrapartum, and postpartum.

COMEN fetal & maternal monitor; it offers the most advanced integrated for the delivery room in big hospital, private obstetrician's office and antepartum clinic.

STAR5000C integrates twin's fetal heart rate (FHR), uterine activity (TOCO), fetal movement (FM), intrauterine pressure, and maternal NIBP, SpO2, HR, ECG and TEMP monitoring.

STAR5000PULS is only for fetal monitoring, accurate detection of FHR, FM, and TOCO.

Interface:



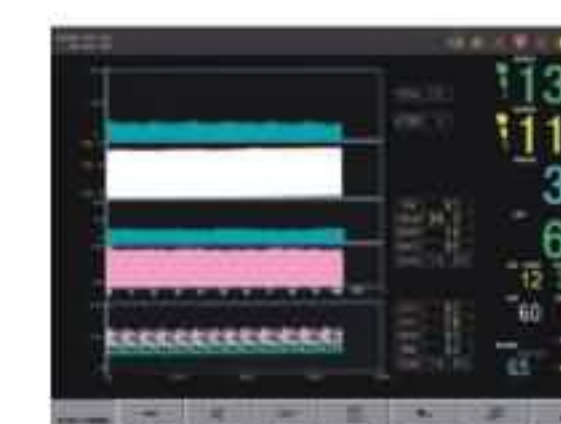
Big Font Interface



Multi-parameter Monitoring



Twins Monitoring



Trend Graphic



FHR Waveform



Fetal Monitoring