Cadence Series Fetal Monitor

■ Specification

Monitor

Physical Characteristics Dimensions: 330mm x270mm x100mm
Weight: 3.5 kg or so

Safety
Comply with: IEC 60601-1, IEC 60601-1-2
Anti-electric Shock Type: Class I equipment without internal power supply
Anti-electric Shock Degree:

FHR1, FHR2, TOCO, MARK, FS	B
IUP	BF
DECG	CF

Working System: Continuous running equipment

Power Supply
Working Voltage: 100V-240V AC
Line Frequency: 50/60Hz
Pmax = 60VA
Fuse: T1.6AL

Environment

Temperature: 5℃-40℃
Relative Humidity: ≤80%
Atmospheric Pressure: 86KPa-106KPa

Display
LED display (Cadence)
LCD display (Cadence II)

Printing
Record Paper: Z-fold, thermal paper
Printing Width: 112mm
Effective Printing Width: 104mm
Paper Printing Speed: 1cm/min, 2cm/min, and 3cm/min
FHR/DECG Printout Width: 7cm (USA standard) /8cm (international standard)
FHR/DECG Scaling: 30BPM/cm (USA standard)/20BPM/cm (international standard)
TOCO/IUP Printout Width: 3.4cm (USA standard)/2.4cm (international standard)
TOCO/IUP Scaling: 25%/0.85cm (USA standard)/ 25%/0.6cm (international standard)
Data Accuracy: ±5% (X axis), ±1% (Y axis)
Record Message: Date, time, TOCO type, paper speed, FHR type, bed No., etc.

Signal Interface RS485/RS232 interface

Ultrasound
Technique: Pulsed Doppler and autocorrelation
FHR Range: 50bpm-210bpm
Resolution: 1bpm
Accuracy: ±2bpm

DECG
Technique: Peak-peak detection technique
FHR Range: 50bpm-210bpm (international standard)
30bpm-240bpm (USA standard)
Resolution: 1bpm
Accuracy: ±1bpm
Input Impedance: >10M (differential, dc to 50/60Hz)
Input Impedance: >20M (Common mode)
CMRR: >110dB

Contraction

Internal IUP
Pressure Range (IUP): 0mmHg-100mmHg
Sensitivity: 5uV/V/mmHg
Non-linear Error: ±1mmHg
Resolution: 1%
Zero Mode: Automatic/Manual

External TOCO
TOCO Range: 0%-100%, 135g strength corresponding to 100%
Sensitivity: 3.7uV/V/mmHg
Non-linear Error: ≤ ±10%
Resolution: 1%
Zero Mode: Automatic/ Manual

AFM
Technique: Pulsed Doppler ultrasound
Range: 0%-100%
Resolution: 1%
Gain Control: Manual/ Automatic (Cadence II only)

Mark
Manual fetal movement mark

Battery
Rechargeable Lithium-ion Battery (Cadence II only)
Nominal Capacity: 6000mAh
Charge Mode: Constant current/ constant voltage
Nominal Voltage: 14.8V

Model	Twin FHR	DECG& IUP	Lithium-ion Battery	Fetal Track Data Storage	Insight Software	Fetal Stimulator
Cadence Basic	No	No	No	No	Yes	Optional
Cadence Dual	Yes	No	No	No	Yes	Optional
Cadence Pro	No	Yes	No	No	Yes	Optional
Cadence II	Optional	Optional	Optional	Yes	Yes	Optional

Specification subject to be changed without prior notice

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TUV CE 0123

Cadence Series Fetal Monitor

Cadence Fetal Monitor

Compact Design
Easy to move and mount on wall

High Sensitive Transducer
Use nine crystal ultrasound technology

Automatic Fetal Movement Detection
Detect fetal movement by ultrasound transducer automatically

Built-in Thermal Printer
High resolution and long life printer provides documentation of fetal traces

Intrapartum Monitor
Optional DECG and IUP monitoring

Insight Software
Data transferring, recording and displaying on a standard PC

Built-in Network Connecting Interface
Compatible with wireless and cable LAN obstetrical central station

Cadence II Fetal Monitor

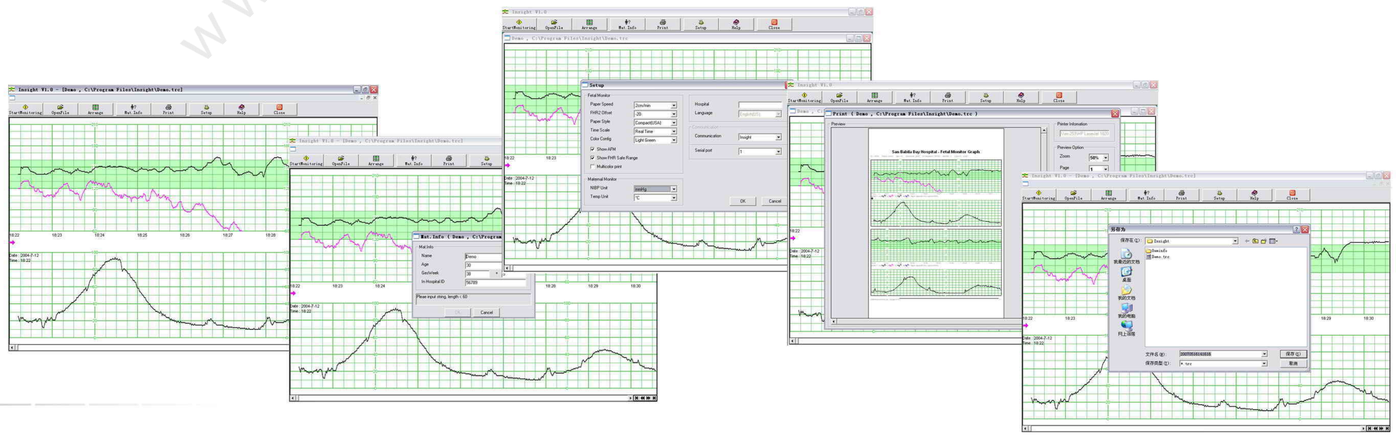
Large display
6 Inch LCD folding screen displays waveforms and digitals simultaneously

Powerful Memory
12 hours of memory for patient data can be reloaded

Battery
Built-in Rechargeable battery for 4 hours continuous work

Insight Software

- Data real-time transferring
- Event and comment record
- Patient information management
- Printed out on A4 paper
- Store and review all patient data



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