

Cadence Series Fetal Monitor



■ Specification

Monitor

Physical Dimensions: 330mm x270mm x100mm

Characteristics 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°C-40°C

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 |



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Specification subject to be changed without prior notice



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Cadence Fetal Monitor

Cadence II 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



- 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

