

# Cadence II Fetal Monitor



## Insight Software

- Real-time data transfer
- Event and comment recording
- Patient information management
- Storage and review of patient data
- Allows traces to be printed on A4 paper through a PC

## Compact Design

Portable and wall mountable

## Highly Sensitive Transducer

Using nine crystal ultrasound technology

## Automatic Fetal Movement Detection

Detects movement using only the ultrasound transducer

## Built In Thermal Printer

High resolution and long life printer provides documentation on fetal traces

## Intrapartum Monitoring

Optional DECG and IUP monitoring

## Insight Monitoring

Allows data transfer, recording and analysis on any PC

## Built In Network Connection Interface

Compatible with both wireless and cabled LAN.  
Can be connected to MFM-CNS

## Large Display

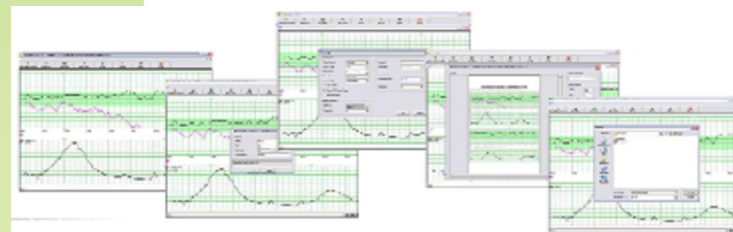
6 inch LCD folding screen displays waveforms and readings simultaneously.

## Powerful Memory

12 hours of data can be recorded and reviewed

## Power

Input voltage is 100—250VAC  
Rechargeable Lithium-ion battery



# Cadence II Fetal Monitor

## Technical Specifications

### Physical Characteristics

Dimensions: 330mm x 270mm x 100mm  
 Weight: Approx 3.5 Kg

### Safety

Complies with: IEC 60601-1, IEC 60601-1-2  
 Anti-electric Shock Type: Class 1 earthed equipment without internal power supply

Anti-electric shock degree: FHR1, FHR2, TOCO, MARK, FS IUP  
 DECG

Working System: Continuous running equipment  
 Display: LCD

### Power Supply

Working Voltage: 100—240 VAC  
 Line Frequency: 50/60 Hz  
 PMax: 60 VA  
 Fuse: T1.6AL

### Environment

Working Temp: 5—40°C  
 Relative Humidity: 80%  
 Atmospheric Pressure: 86Kpa—106Kpa

### DECG

Technique: Peak-peak detection technique  
 FHR Range: 30-240 bpm (USA Standard)  
 50—210 bpm (International Standard)  
 Resolution: 1bpm  
 Accuracy: +/- 1 bpm  
 Input Impedance: >10M (differential, dc to 50/60Hz)  
 Input Impedance: >20M (Common Mode)  
 CMRR: >110dB

### Mark

Manual fetal movement mark

### Printing

Record Paper: Z-fold thermal paper  
 Printing Width: 112mm  
 Effective Printing Width: 104mm  
 Paper Printing Speeds: 1/2/3 cm/min  
 FHR/DECG Printout Width: 7cm (USA Standard) / 8cm (International Standard)  
 FHR/DECG Scaling: 30 bpm/cm (USA Standard) / 20 bpm/cm (international standard)  
 TOCO/IUP Printout Width: 3.4cm (USA Standard) / 2.4cm (International Standard)  
 TOCO/IUP Scaling: 25%/0.85 cm (USA Standard)  
 25%/0.6 cm (International Standard)  
 Data Accuracy: +/- 5% (x axis) / +/- 1% (y axis)  
 Record Message: Date, time, TOCO type, paper speed, FHR type, bed number etc

B  
 BF  
 CF

### Internal IUP

Pressure Range: 0-100mmHg  
 Sensitivity: 5µV/V/mmHg  
 Non-linear Error: +/- 1mmHg  
 Resolution: 1%  
 Zero Mode: Automatic / Manual

### External TOCO

TOCO Range: 0-100%, 135g strength corresponding to 100%  
 Sensitivity: 3.7µV/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