

Cadence 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

Powerful Memory

12 hours of data can be recorded and reviewed

Power

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

MODEL	TWIN FHR	DECG & IUP	LITHIUM-ION BATTERY	FETAL TRACK DATA STORAGE	INSIGHT SOFTWARE	FETAL SIMULATOR
CADENCE BASIC	NO	NO	NO	NO	YES	OPTIONAL
CADENCE DUAL	YES	NO	NO	NO	YES	OPTIONAL
CADENCE PRO	NO	YES	NO	NO	YES	OPTIONAL



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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: LED

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

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

B
BF
CF

