



Advanced, integrated fetal/maternal monitor with a 12" high-resolution color LCD screen.

Integrates twin's fetal heart rate, uterine activity, fetal movement, intrauterine pressure, fetal direct ECG, maternal NIBP, SpO₂, ECG and temp. monitoring

Available with an intuitive touchscreen

Simple operation

- Folding screen
- Probe rack and wall mounting rack
- Handle for easy portability
- User-friendly GUI with two display modes and four color schemes

Powerful functions

- 24 hours CTG storage
- Fast print for stored traces

Outstanding performance

- 12" color screen
- Excellent algorithm
- 12-crystal and 1 MHz water-proof transducer for accurate detection

Storage

- 24 hours of waveform storage and playback

Signal overlap verification

- A smart design to reduce risk of miscollecting fetal heart signal
- Alerts when two FHR probes process the heart rate signal from the same source

12-crystal waterproof ultrasound transducer

- For FHR detection
- Provides broad beam pulsed wave and improves signals

Display Controls

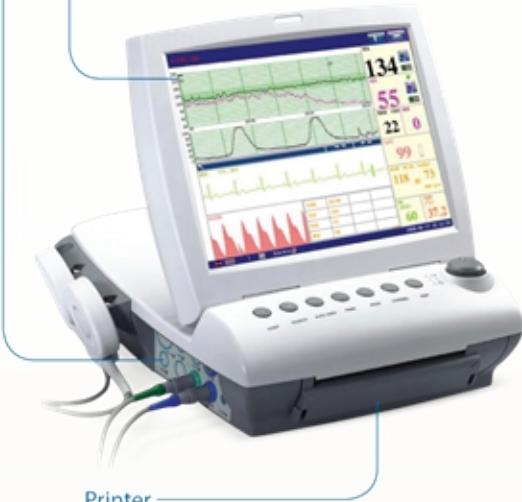
The Compact Fetal Monitor Plus features four options for color. Details such as baseline, acceleration, deceleration, long-term variability, short-term variability of FHR can be shown vividly on any background.

The Compact Fetal Monitor offers the most advanced integrated monitoring for the mother and fetus. It is tailored to the needs of moving situation which covers the entire continuum of antepartum, intrapartum and postpartum applications.

Monitoring

Fetal external parameters (twins monitoring, external uterine contraction), fetal internal parameters (DECG, IUP), and maternal parameters (NIBP, ECG, temp, SpO₂).

Also provides external monitoring, DECG and IUP, and a vibrating stimulator.



Built-in long life thermal array printer.

Also features Insight software for transferring data to a standard PC and a rechargeable Lithium-ion battery (sustains four hours of continuous operation).

Technical Specifications

Physical characteristics

Dimensions 347 mm x 330 mm x 126 mm
Weight Approx. 6 Kg

Performance specifications

Display 12" color TFT-LCD
Resolution 800 (h) x 600 (v)
Recorder America standard;
International standard;
1/2/3 cm/min real-time printing speed;
Fast print speed (stored traces)
up to 25 mm/sec
Paper Z-fold, thermosensitive

Battery

14.8V rechargeable Lithium-ion battery
Continual working time 4 hours

Ultrasound

Technique Ultrasound pulse Doppler
with auto-correlation
Pulse repetition rate 2 KHz
Ultrasound frequency 1.0 MHz±10%
FHR range 50 bpm - 240 bpm
Resolution 1 bpm
Accuracy ±1 bpm

DECG channel

Technique Peak-peak detection technique
FHR range 30 bpm - 240 bpm
(American Standard);
50 bpm - 210 bpm
(International Standard)
Resolution 1 bpm
Accuracy ±1 bpm
Input impedance >10M (Differential, DC 50/60 Hz)
Input impedance >20M (Common Mode)

TOCO

TOCO range 0% - 100%
Resolution 1%
Zero mode Automatic/manual
Non-linear ±10%

IUP channel

Pressure range (IUP) 0-100mmHG
Resolution 1%
Zero mode Automatic/manual
Non-linear ±1 mmHg

Auto Fetal Movement (AFM)

Technique Pulsed Doppler ultrasound
Range 0 - 100 (%)
Resolution 1%
Fetal movement marking; manual movement marking

SpO₂

Measuring range 0% - 100%
Resolution 1%
Measuring accuracy 90% - 100% ±2
70% - 90% ±4

PR

Measuring range 30 bpm - 240 bpm
Measuring accuracy ±2 bpm

NIBP

Systolic pressure 50 mmHg - 240 mmHg
Mean pressure 25 mmHg - 200 mmHg
Diastolic pressure 15 mmHg - 180 mmHg
Resolution 1 mmHg

Temperature

Measuring range 28.0° C - 44.0° C
Accuracy ±0.2° C

Configuration	Compact Fetal Monitor Plus	Compact Fetal Monitor Plus Deluxe
Dual-FHR	Yes	Yes
TOCO	Yes	Yes
FM	Yes	Yes
AFM	Yes	Yes
DECG/IUP	Optional	Optional
MECG	No	Yes
NIBP	No	Yes
MSPO ₂	No	Yes
Temp	No	Optional
Fetal Stimulator	Optional	Optional
Lithium-ion Battery	Optional	Optional