

# Avante Compact Plus

## Fetal/Maternal Monitor

Advanced, integrated monitor with a 12" high-resolution LCD screen

### FEATURES

- › 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
- › Built-in printer with 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

- › 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.
- › 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.



### SPECIFICATIONS



**Weight:**  
approx. 13.23 lbs (6 kg)



**Dimension:**  
13.66" x 12.99" x 4.96"  
(347mm x 330mm x 126mm)



**Battery:**  
14.8V rechargeable  
Lithium-ion battery

**Continual Working Time:**  
4 hours



**Display:**  
800 x 600,  
12" color TFT-LCD

**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

205-2019-11-12

## 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: 2 KHz

Ultrasound Frequency: 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)  
>20M (Common Mode)

## TOCO

TOCO Range: 0% - 100%

Resolution: 1%

Zero Mode: 50 bpm - 240 bpm

Non-linear: ±10%

## IUP Channel

Pressure Range (IUP): 0-100mmHG

Resolution: 1%

Zero Mode: 50 bpm - 240 bpm

Non-linear: ±1 mmHg

## Auto Fetal Movement (AFM)

Technique: Pulsed Doppler ultrasound

Range: 0 - 100 (%)

Resolution: 1%

## SpO2

Measuring Range: 0% - 100%

Resolution: 1%

Measuring Accuracy:

90% - 100% ±2

70% - 90% ±4

## PR

Measuring Range: 30 - 240 bpm

Measuring Accuracy: ±2 bpm

## NIBP

Systolic Pressure: 50 - 240 mmHg

Mean Pressure: 25 - 200 mmHg

Diastolic Pressure: 15 - 180 mmHg

Resolution: 1 mmHg

## Temperature

Measuring Range: 28.0 - 44.0° C

Accuracy: ±0.2° C

Configuration	Avante Compact Plus	Avante Compact 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
MSPO2	No	Yes
Temperature	No	Optional
Fetal Stimulator	Optional	Optional
Lithium-ion Battery	Optional	Optional