



# iC 90

## Fetal & Maternal Monitor



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## Features:

- Portable, easy operation & elegant design ;
- 12 inches TFT foldable color screen ;
- Basic parameters: FHR, TOCO, AFM, maternal SpO2, HR, NIBP, ECG, RESP, TEMP ;
- Advanced Digital Signal Processing (DSP) Technique is applied for Real-time Calculation and Mode Identification ;
- Help to improve efficiency by sorting out the traces that require closer analysis by obstetrician ;
- A standard patient event marker and a clinical event marking button to separately mark clinical events ;
- Provide convenience and reliability during antepartum, intrapartum and postpartum monitoring ;
- Continuous monitoring during transport ;
- Alarm system: time-over alarm, non-paper alarm, out of range FHR alarm ;
- High sensitivity FHR transducer, high signal-to-noise ratio ;
- 24 hours CTG storage, fast review and print ;
- Unique design for cable of transducers to avoid intertwinning ;
- Wire or wireless connect to central monitoring system ;
- Automatically adjust thermal paper 150mm/152mm ;
- High capability rechargeable Li-ion battery lasting 4 hours.

## Options:

- Twins FHR measurement
- Build-in network/PC connecting interface
- FAS(fetal acoustic stimulator)
- Wireless network

## Specification:

### Fetal Heart Rate

Transducer: Multi-crystals, pulsed doppler  
high sensitively

Strength: <5mW/cm<sup>2</sup>

Working frequency: 1.0MHz

Measurement range: 50~210 bpm

### TOCO

Measurement range: 0~100 units

Auto Fetal Movement (AFM): Automatic detection

### SpO2

Measurement range : 70% ~ 100%。

Accuracy: ±3%

### HR

Measurement range: 30bpm~240bpm  
Accuracy: ±2 bpm

### NIBP

Systolic pressure: 50~240mmHg  
Diastolic pressure: 25~200mmHg  
Mean pressure: 15~180mmHg  
Measure mode: Manual

### ECG

Heart Rate Measurement and  
Alarm Range: 15-300bpm  
Accuracy: ±1bpm  
Input: 5-lead ECG cable  
Sweep Speed: 25 mm/s  
Amplitude Selection: x1/4, x1/2, x1, x2, x4

### Temperature

Measurement and Alarm Limit: 0-50°C

Probe: Skin surface

Accuracy: ±0.1°C(25°C ~45°C),  
±0.2°C(0°C ~25°C or 45°C ~50°C)

### Respiration

Measurement Mode: Thoracic Impedance

Respiration Rate: 0-150 bpm

Waveform Display Speed: 25mm/s

Power: A.C.100-240v, 50/60Hz or 16.8v Li-ION battery

Power Consumption: < 20W

Dimension: 350mm×320mm×85mm (LxWxH)

Net weight:3.5 kg



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