



# ESF30/ESF50

Fetal & maternal monitors  
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INTENSIVE CARES



# ESF30 / ESF50

## TECHNICAL SPECIFICATION:

### Specification:

- Size: 328mm(L) × 295mm(W) × 145mm(H)
- Net Weight: ≤3.5Kg
- Display : 7" TFT LCD
- Resolution:800\*480
- AC power: 100V~240V; 50Hz/60 Hz
- DC power:11.1V, 4Ah rechargeable lithium battery
- Battery work time: > 4 Hours

### Environment Specification:

#### Operation

- Environment temperature: +5°C ~ +40°C
- Relative humidity :15% ~ 85%
- Atmospheric pressure: 700hPa ~1060hPa

#### Store and Transportation

- Environment temperature: -20°C ~ +55°C
- Relative humidity: 10% ~ 93%
- Atmospheric pressure: 500hPa ~ 1060hPa

### Record:

- Recording way : Thermal printing system
- Recording paper: 152mm(Wide)× 13.5m (long)
- Paper type: Z-Fold
- Paper speed : 1cm/min, 2cm/min, 3cm/min
- Accuracy: ≤ ±5%
- Resolution: 8 dots/mm

### Alarm

- Audible and visible

### Fetal Heart Rate (FHR) Measuring

- Measuring method: Ultrasonic Doppler
- Measuring range: 50~210 BPM
- Accuracy: ±2 BPM
- Ultrasonic frequency: 1MHz
- Ultrasonic output intensity: ≤5mW/cm<sup>2</sup>
- Display: wave / numerical

### TOCO measuring

- Measuring method: external measurement
- Measuring range: 0~100 (%)
- Resolution: 1%
- Nonlinear error: < ±10%

### Fetal Movement Recording

- Manual button marking, (MFM)
- Automatic FM identifying function (AFM)

## ESF30

- Standard Configuration:  
FHR1, TOCO, FM, Lithium battery, printer
- Option:  
Twin FHR, fetal stimulator, CTG evaluation module,  
touch screen,

## ESF50

- Standard Configuration:  
FHR1, TOCO, FM, Lithium battery, printer, NIBP,MSpO<sub>2</sub>, MPR
- Option:  
Twin FHR, fetal stimulator, CTG evaluation module,touch screen,

\*Specifications subject to be changed without notice



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