



Size and Weight:

- Size: 383mm×367mm×124mm (W×H×D)
- Weight: ≤6kg

Display

- Type: 12.1", color TFT LCD
- Resolution: 800×600 pixels

Power Supply

- Input voltage: AC:100V~240V, 50Hz/60Hz
- Input current: 1.0A~0.5A
- Standard requirement: Comply with IEC 60601-1 and IEC 60601-1-2
- Battery: 11.1V /4000mAH rechargeable lithium-ion battery

Recorder

- Recording speed:
Real-time recording : 1cm/min, 2cm/min, 3cm/min
Review of fast recording: up to 13mm/s
- Paper type: 152 mm Z-folded thermosensitive printing paper

FHR

- Measurement method: Ultrasound Pulsed Doppler
- Ultrasonic intensity: < 5mW/cm2
- Ultrasonic frequency: 1.0MHz, deviation less than ±10%
- FHR Measurement Range: 50bpm ~ 210bpm
- Resolution: 1bpm
- Accuracy: +2bpm
- Output beam intensity (lob) : <20mW/cm2

TOCO

- Measurement method: Strain Gauge Sensor Element
- Measurement range: 0~100 units (relative to %)
- Resolution: 1% (1 unit)
- Nonlinear accuracy: ≤ ±10%
- TOCO baseline: 0, 5, 10, 15, 20 ,optional

FM

- Measurement method: Doppler ultrasound
- FM intensity measurement range: 0-40 (%) relative range
- Resolution: 1%
- Model: Auto/Manual

ECG

- Lead Mode: 3/5 leads ECG input
- Lead selection: I, II, III, aVR, aVL, aVF, V
- Gain: 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Input impedance: ≥5.0MΩ
- CMRR : ≥105dB
- Sweep speed: 6.25 mm/s, 12.5mm/s, 25 mm/s

HR

- Measurement range: 10 bpm to 300 bpm
- Resolution: 1 bpm
- Accuracy: ±1% or ±1 bpm, whichever is greater
- Detecting sensitivity: ≥0.20mVpp(II lead)

PR

- Measurement range: 20bpm to 250bpm
- Alarm range: High/low limit: 0bpm to 300bpm
- Resolution: 1 bpm
- Accuracy: ±1% or ± 1 bpm
- Data update period: 12s

RESP

- Measurement method: Thoracic impedance
- Excitation frequency: Sine wave: 64.8 kHz
- Excitation current: ≤0.5mA at 64.8 kHz
- Measuring impedance range: 0.2Ω to 3Ω

NIBP

- Measurement way: Automatic oscillometry
- Measurement mode: Manual , Auto
- Intervals for Auto measurement time: 3 min, 5 min, 10 min, 15 min, 30 min, 60 min, 90min, 2h, 4h
- Measurement kinds(Adult): Sys, Dia, Map
- Measurement range (mmHg):

- Sys: 30 to 270
- Dia: 10 to 220
- Map: 20 to 235

SpO2

- Measurement range: 0% to 100%
- Alarm range: High/low limit: 85% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: ± 2%
- 35% to 69%: ±3%
- 0% to 34%: undefined
- Data update period 12s

Temp

- Measurement way: Thermal resistance way
- Measurement range: 0.0°C to 50.0°C(32°F to 122°F)
- Accuracy: ±0.1°C or ±1°F (exclusive of probe)
- Resolution: 0.1°C or 1°F
- Unit: °C or °F
- Temp sensor resistance: YSI400 compatible sensor (2252Ω at 25°C, ±0.1°C)



F90
Maternal & Fetal Monitor

The brochure may be revised or replaced by BIOLIGHT at any time without notice.

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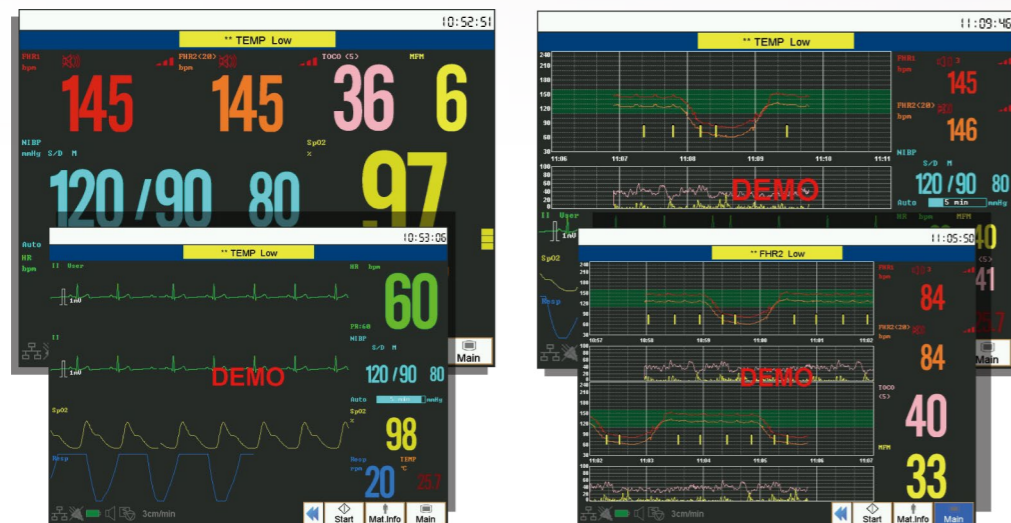
Maternal & Fetal Monitor

- 12" TFT color screen, 0-70 degree foldable
- 12 Crystal IPX1 waterproof Probe
- Built-in large capacity rechargeable lithium-ion battery
- Built-in Z-fold paper thermal printer with adjustable tracing speed
- Built-in CTG analysis system
- Multiple display interfaces can be easily switched
- Monitor the maternal and fetal parameters simultaneously
- TWIN monitoring function & clinical event mark function
- CTG data storage & review for 120h
- Support connecting to central monitoring system
- Wired/ wireless (optional) connections



Multi-display interface

- Different interface could be easily switched according to clinical needs.



CTG analysis system

- Professional CTG analysis system provide reliable reference for clinician

Patient List	CTG	NIBP	Trend	Alarm	CTG score
CTG Success					
Item/Score	0 Score	1 Score	2 Score	Total Score	
BasalRate(bpm)	<100, >180	100-110, 160-180	110-160	2	
Amplitude(bpm)	<3	3-5 00 >25	6-25	1	
Frequency(cpm)	<2	2-5	>5	1	
Accelerations	0	>2	>2	0	
Decelerations	U, P, severe 00	Moderate 0002 or 0002 0	0	2	
<p>1. Analyze results of computer : Fischer score = 0score 2. The result is only for reference , should be judged by doctor according to other several clinical elements together. Doctor Sign:</p>					
		PDF Print	Print	Exit	

- * Standard Configuration: FHR1, TOCO, FM, AFM, NIBP, SPO2, PR, ECG, RESP and TEMP
- Optional Configuration: FHR2, Touch screen, Fetal Stimulator