



www.biocare.com.cn



iC 90

Technical Specifications

Product Specifications

1. Safety Specifications

1.1 Product Classification

Security classification	Degree of protection against electric shock	Type B application part
	Working mode	Continuous operating equipment
	Degree of liquid intake protection	Common equipment
Waterproof level	Master unit	IPX0
	Probe	IPX1

1.2 Environment Specifications

Item	Temperature	Humidity (Non-Condensing)	Atmospheric Pressure
Operating	5°C-40°C	30-75 %	860 hPa~1060 hPa
Storage & Transport	-10 °C~+55 °C	<95 %	860 hPa-1060 hPa

2. Physical Specifications

Dimensions	350mm *320mm *85 mm (L*W*H)		
Weight	3.5kg		
Power specifications	AC	100 V~240 V, 50 Hz /60 Hz	
	DC	14.8V	
Max Power	Pmax=45VA		

3. Hardware Specifications

Display	
Type	TFT color LCD, 8 colors (the system currently supports 8 colors)
Dimensions	12.1 inches
Pixels	800*600
Recorder	

Recording mode	Thermal printer
Recording paper	152mm folded thermal printer paper
Paper feeding speed	1 cm/min, 2 cm/min, 3cm/min
Battery	
Type	Rechargeable lithium battery
Rated voltage	14.8 V
Battery capacity	2200 mAh
Length of Power Supply	≈4 h
Interface	
Network	RS232, TCP/IP (Optional)

4. Technical specifications

Fetal Heart Rate	
Transducer	Multi-crystals, Wide beam, pulsed doppler, high sensitivity
Strength	<5mW/cm ²
Working frequency	1.0MHz
Signal processing	special digital signal
Measurement range	50~210 bpm/ 30-240bpm
Alarm Range	High limit: 160,170,180,190 bpm Low limit: 90,100,110,120 bpm
Maximum audio output power	1.5 W
Toco	
Measurement range	0~100 units
Maternal SpO2 measure	
Measure scope	70%~99%
Measure accuracy	±3%
Pregnant HR Measure	
Measure scope	30bpm~240bpm
Measure accuracy	±2 bpm
NIBP measure	
NIBP-SYS	6.7~32.0Kpa (50~240mmHg)
NIBP-DIA	3.4~26.6Kpa (25~200mmHg)
NIBP-MEAN	2.0~24.0ka (15~180mmHg)
NIBP Accuracy	±1.1kPa (±8mmHg) or reading ± 5%, whichever has the greater absolute value
Pulse rate measuring range	40bpm ~ 240bpm

Pulse rate accuracy	± 2 bpm or reading $\pm 5\%$, whichever has the greater absolute value
Measurement mode	manual / automatic NIBP measurement
Body Temperature	
Range	0~50°C
Resolution	0.1°C
Accuracy	$\pm 0.1^\circ\text{C}$ (excluding sensor error)
Display	The LCD displays FHR, TOCO, FM, maternal parameters, time, date, volume and so on, it support freeze and review monitor data
Probe acoustic output	In accordance with the provisions of 1992 IEC1157, negative peak sound pressure shouldn't exceed 1 MPa, and the beam intensity shouldn't exceed 20mW/cm ² . Spatial peak instantaneous average intensity density shouldn't exceed 100mW/cm ² . The sound intensity of this model does not exceed 5mW/cm ² . Sound output meets the conditions exempted from publication.
Coupling agent (GEL)	Viscous water-based compound, no skin irritation or allergy, chemically stable, bacteriostatic.



Care from
hearts

Shenzhen Biocare Bio-Medical Equipment Co., Ltd.

Headquarters: 7/F, Block A, Shenzhen Mingyou Industrial Products
Exhibition & Procurement Center, Baoyuan Road, Xixiang Sub-district,
Bao'an District, 518102 Shenzhen, P.R. China

Factory: 2/F West, 4th Block, Dayang Road South, Fuyong Sub-district,
Bao'an District, 518103 Shenzhen, P.R. China

Tel: +86-755-2796 0888

Fax: +86-755-2796 0643

E-mail: sales@biocare.com.cn