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iC 60

Technical Specifications

Product Specifications

1. Safety Specifications

1.1 Product Classification

Security classification	Type of protection against electronic shockproof	Type II
	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	<85 %	860 hPa~1060 hPa
Storage & Transport	-10 °C~+55 °C	<93 %	860 hPa-1060 hPa

2. Physical Specifications

Dimensions	295mm *240mm *73 mm (L*W*H)		
Weight	1.75kg		
Power specifications	AC	100 V~240 V, 50 Hz /60 Hz	
	DC	7.4 V	
Power Consumption	< 20W		

3. Hardware Specifications

Display	
Type	TFT color LCD, 8 colors (the system currently supports 8 colors)
Dimensions	7 inches

Pixels	480*234
Recorder	
Recording mode	Thermal printer
Recording paper	112mm folded thermal printer paper
Paper feeding speed	1 cm/min, 2 cm/min, 3cm/min, accuracy: ±5%
Battery	
Type	Rechargeable lithium battery
Rated voltage	7.4 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, pulsed doppler , high sensitively
Strength	<5mW/cm ²
Working frequency	1.0MHz
Signal processing	Special DSP system and modern recognition.
Measurement range	50~210 bpm
Alarm Range	High limit: 160,170,180,190 bpm Low limit: 90,100,110,120 bpm Maximum audio output power : 1.5 Watt
Toco	
Measurement range	0~100 units
Maternal SpO2 measure	
Measure scope	70%~99%。
Measure accuracy:	±3%
Pregnant HR Measure	
Measure scope	30bpm~240bpm
Measure accurac	±2 bpm
NIBP measure	
Range	a) NIBP-SYS (6.7~32.0Kpa)(50~240mmHg) b) NIBP-DIA (3.4~26.6Kpa)(25~200mmHg) c)NIBP-MEAN(2.0~24.0ka(15~180mmHg)

NIBP Accuracy	$\pm 1.1\text{kPa}$ ($\pm 8\text{mmHg}$) or $\pm 5\%$ of the results, take the bigger one.
Maximum Mean error	$\pm 5\text{mmHg}$
Maximum Standard deviation	8mmHg
Pulse Rate Accuracy	Maximum Mean error : $\pm 2\text{bpm}$
Measure accuracy	$\pm 2\text{ bpm}$ or $\pm 5\%$ of the results, take the bigger one.
Measure mode	Manual
Display	The LCD displays FHR, TOCO, FM , maternal parameters ,time, date, volume and so on, It can store and play back the data.
Transducer Acoustic Output	Under the requirements laid down in IEC 1157, 1992, the peak negative acoustic pressure does not exceed 1Mpa . The output beam intensity does not exceed $20\text{mW}/\text{cm}^2$ and the spatial-peak temporal-average intensity does not exceed $100\text{mW}/\text{cm}^2$
GEL	Viscous aqueous non-sensitising, hypo-allergenic and non-irritating to skin. Indefinite shelf life, bacteriostatic (not sterile)



Care from
hearts

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