



Ready Dopp.

Fetal Doppler

Professional Quality



STANDARD FEATURES:

- ❖ Built-in speaker.
- ❖ Automatically power off.
- ❖ Audible Alarm Function
- ❖ Accurate and reliable FHR detection with clear sound
- ❖ High sensitivity probe with 2.5MHz in continuous wave.
- ❖ Ergonomic design, portable and convenient.
- ❖ Multi-displaying of FHR number, battery status indicator, voice intensity indicator, Heart beat range bar graph display
- ❖ Built-in rechargeable battery and AC recharger.
- ❖ LCD display with backlight, can be used in any illumination conditions.
- ❖ Can also operate on standard AA alkaline batteries





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Mark - IV



Mark - IV

FHR DISPLAY MODES

The Mark-IV model with three display interface: FHR Data Display Interface, FHR Curve Display Interface, Data Setting Display Interface. All the 3 display interface are switched directly by the "MENU" button. The display interface are as follows:

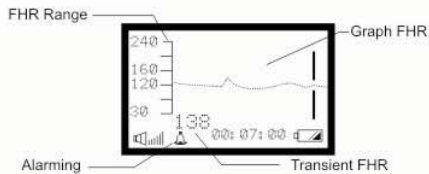
FHR numeric Display Interface

FHR numeric Display interface display transient FHR and average FHR.



FHR graph Display Interface

FHR graph Display interface displays transient FHR and graph of transient FHR.



Data Setting Display Interface

Some datas can be set under this mode, including the LCD contrast ("CONTRACT"), alarm allow and alarm limit data ("ALARM"), and the time data ("TIME"). In addition, the battery voltage value ("BATTERY") will be shown at the bottom of the screen.

CONTRACT	8<0-9
ALARM ON	100-150
TIME	00: 27: 22
BATTERY	3. 14V

ALARMS INDICATOR

When the FHR is not in the normal range (set on the data set menu) for over 10 seconds, the instrument will alarm and the sign "▲" will flash simultaneously, if the alarm condition becomes active by selected "ON" on the data set menu.

BATTERY INDICATOR

When the Battery voltage is low or the instrument is in the proceeding of recharging, this indicator sign will flash constantly.

GENERAL OPERATIONS

1. LCD back light control : Press " Confirm" key to turn on or off the light.
2. Sound volume regulation: Press "vol+" or "vol-" button to adjust.
3. Operation mode selected: Press "Menu" button to shift the normal working interface or the data set interface.
4. Power on or off : To Power on and off the instrument, push the " POWER" button on the front panel of the Product. In addition, the instrument can be power off automatically when no fetal heartbeat signal is detected for 2 minutes.

SPECIFICATIONS:

DISPALY

LCD SIZE : 55mm x 27mm

ULTRASOUND

Ultrasonic Emitting Frequency : 1.0MHz,2.0MHz, 2.5 MHz
 Ultrasonic Emitting Power : <5mW/cm²
 Overall sensitivity at the distance 200mm from the face of the probe : ≥90dB
 (Doppler frequency:300±50Hz, Targe velocity: 10cm/s~40cm/s)
 Spatial-peak temporal-peak acoustic pressure: <0.1MPa
 Output Power: <26mW
 Effective area of the ultrasonic transducer active element: 3.14cm²±10% (pulse wave), 1.57cm²±10% (continuous wave)
 Acoustic impedance: ph:5.5~8, 1.5*106~1.7*106Pa.s/m

FHR PERFORMANCE

Automatic FHR test range: 30~240 bpm (beat/minute)
 Heart Rate Alarms: Can be set on the menu
 Resolution: 1 bpm
 Accuracy: ± 2 bpm
 Audio Output Power: 1 W
 Audio Out Socket: Ø 3.5mm

RECHARGEABLE BATTERY

Battery Voltage: 3x1. 2V
 Chemistry: Alkaline battery
 Compatibility: Compatible with Product
 Battery Capacity (Continuous operation time): 2 to 6 hours in 3x1. 2V / 1000mAH
 (The maxim continuous operation time varies according to the volume in operation and the performance of the batteries)

Battery Charge time: 6 hours for 3x1 .2V / 1000mAH
 Charger Time Limited: 8 Hours Maximum
 Battery Life: 300 Battery charge discharge cycles, whichever comes first
 1 lb. 3 oz

COMPATIBLE BATTERY

Battery Voltage: 3x1.2V
 Chemistry: Alkaline battery
 Compatibility: Compatible with Product
 Battery Capacity: 2 to 6 hours
 (The maxim continuous operation time varies according to the volume in operation and the performance of the batteries)

AC POWER SUPPLY (CHARGER)

Input: 220-240VAC, 50Hz, <20VA
 Output: 12VDC, 300mA.

PHYSICAL DIMENSIONS

140mm (W) x 33mm (D) x 88mm (H),
 5.5 in. (W) x 1.3 in. (D) x 3.5 in (H).
 Wt. 0.54kg (including battery)
 Wt. 119lbs (including battery)



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