



CFD-20B/20C

Kangaroo Fetal Doppler



Obstetric Product

Main features

- 160*96 dpi LCD, display of FHR value (CFD-20B)
- 160*128 dpi color LCD, display of FHR value, bar graph and heartbeat waveform (CFD-20C)
- Varies display modes of FHR: real-time, average and manual counting
- Supporting 2.0/3.0/4.0/8.0MHz waterproof probes
- Automatic power off when not operated within 1 minute
- Built-in speaker, audio outlet.
- Battery status indicator
- Voice intensity adjustable
- Red-light alarm when FHR is out of normal range (CFD-20C)

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Specifications:

Safety: IEC 60601-1:1988 + A1:1991 + A2:1995

■ Classification

Anti-electroshock Type: Internally powered equipment
 Anti-electroshock Degree: Type B applied part
 Harmful Liquid Proof Degree:
 Main unit :Ordinary equipment (sealed equipment without liquid proof)
 Probe: Prevent from water splashing, degree of protection: IPX4
 Degree of Safety in Presence of Flammable Gases: Equipment not suitable for use in the presence of flammable gases
 Working System: Continuous running equipment
 EMC: Group I Class B
 Suitable Using Range: Suitable for women after 12 weeks of pregnancy

■ Physical Characteristics

Size:135mm (Length) ×95mm (Width) ×35 (Height) mm (CFD-20B)
 135mm (Length) ×92mm (Width) ×29 (Height) mm (CFD-20C)
 Weight: About 180g (including batteries) (CFD-20B)
 About 245g (including batteries) (CFD-20C)

■ Environment

Temperature: +5°C ~ +40°C
 Humidity: ≤80%
 Atmospheric Pressure: 70 kPa~106kPa Transport and Storage:
 Temperature: -10°C ~ +55°C
 Humidity: ≤93%
 Atmospheric Pressure: 50 kPa~106kPa Display: 45mm×25mm LCD display

■ FHR Performance

FHR Measuring Range: 50~240BPM (BPM: beat per minute)
 Resolution: 1BPM
 Accuracy: ±2BPM
 Power consumption: <0.8W
 Auto Shut-OFF: After 1 minute no signal, power off automatically.
 Battery Type Recommended: Two pieces of 1.5 V DC batteries (SIZE AA LR6).

■ Probe

Nominal Frequency: 2.0MHz
 Working Frequency: 2.0MHz±10%
 P-: <0.5MPa
 Iob: <10 mW/cm²
 Ispta: <50mW/cm²
 Ultrasonic Output Intensity: Isata<5 mW/cm²
 Ultrasonic Output Power: P<10 mW
 Working Mode: Continuous wave Doppler
 Effective Radiating Area of Transducer:
 208mm²±15% (CFD-20B)
 157mm²±15% (CFD-20C)



- According to the LCD size, resolution and display content, CFD-20 is divided into Class B and Class C as in below table.

Model	LCD size	Resolution	Display content
CFD-20B	45×25mm	160×96 dpi	FHR value
CFD-20C	45×25mm	160×128 dpi	FHR value, bar graph and heartbeat waveform

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