

**CONTEC™**



# **Sonoline B**

## **Pocket Fetal Doppler**

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## Sonoline B

Sonoline B Pocket Fetal Doppler is a hand-held fetal heart rate detecting device adopted Doppler theory. It outputs sound signals through headphone. With easy and convenient operation, it can be used in hospital and clinic for daily self-check by pregnant woman, realizing early monitoring and care for life.

### Features

- ◆ Built-in speaker
- ◆ Three working mode: Real-time FHR Display Mode, Averaged FHR Display Mode and Manual Mode
- ◆ LCD screen
- ◆ Battery status indication
- ◆ Auto shut off if there is no signal within 1 minute
- ◆ High sensitive doppler probe, fetal heart sound can be heard clearly for pregnancy more than 12 weeks
- ◆ Low consumption, two AALR6 batteries can last more than 8 hours for normal use
- ◆ Pluggable USB probe interface, probe can be replaced

### Physical characteristic

- ◆ Dimension: 135 mm(L) × 95 mm(W) × 35 mm(H)
- ◆ Weight: about 180 g (including batteries)

### Performance

- ◆ Safety classification: internally powered equipment, type CF applied part
- ◆ Display: 45 mm × 25 mm LCD
- ◆ Range of fetal heart rate: 50 BPM ~ 240 BPM (BPM: beats per minute)
- ◆ Resolution: 1 BPM
- ◆ Accuracy:  $\pm 2$  BPM
- ◆ Power consumption: < 1 W
- ◆ Rated operational voltage: DC3 V
- ◆ Battery: two 1.5V batteries (type: AA LR6)

### Probe:

- ◆ Nominal Frequency (2MHz probe): 2.0 MHz
- ◆ Working Frequency (2MHz probe): 2.0 MHz  $\pm$  10%
- ◆ Comprehensive Sensitivity:  $\geq 90$  dB
- ◆ Negative Peak Sound Pressure:  $P_- < 1$  MPa
- ◆ Output Beam Intensity:  $I_{ob} < 20$  mW/cm<sup>2</sup>
- ◆ Spatial-peak Temporal-average Derived Intensity:  $I_{spta} < 100$  mW/cm<sup>2</sup>
- ◆ Ultrasonic Output Power:  $P < 20$  mW
- ◆ Working Mode: Continuous wave doppler
- ◆ Effective Radiating Area of Transducer: < 208 mm<sup>2</sup>

