

# SD1

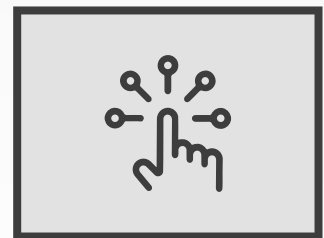
## Ultrasonic Pocket Doppler



Free Android & iOS App  
(SD1 with Bluetooth)



Digital Display of FHR



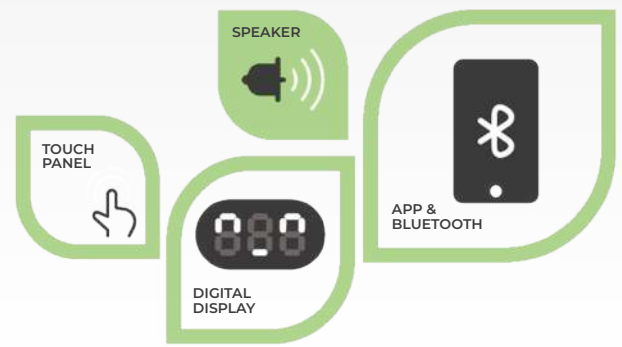
Touch Panel for  
Easy Control

The SD1 all-in-one compact handheld Doppler stands out in Edan's ultrasound Doppler series. Unlike traditional technology, the SD1 utilizes pulse waves, surpassing the limitations of probe angles and fetal heart depth requirements. This enables users to quickly and easily locate the fetal heart rate signal.

With an exceptionally low radiation level, it ensures a safer and more comfortable application. Beyond its professional clinical use, the SD1 is also a user-friendly home-based device, allowing you the flexibility to use it anywhere, anytime.

## Features:

- Built-in speaker with adjustable volume
- Includes carrying case for safe storage
- 3MHz probe detects fetal heart beat
- AA batteries for easy replacement
- Automatic power-off for battery power saving
- Built-in Bluetooth (Optional)



## What's the Difference?

### SD1-B

Includes built-in Bluetooth with connection to Android & iOS app to track baby's development



## iOS & Android App



Growth Tracking



Care Information



Examination Recording



FHR Examination

# Specifications

## PHYSICAL SPECIFICATION

Dimensions: (48±2) mm x (39±2) mm x (147±3) mm  
Weight: <180 g

## DISPLAY

24±2) mm x (13±2) mm  
Display Content:  
FHR/Battery Level/Signal Intensity/  
Sound Volume Level/FH Icon

## BATTERY

Two AA 1.5 V Alkaline Batteries (AA,LR6,1.5 V)  
Working Duration: ≥ 6 h

## AUDIO OUTPUT

Output Power: 2 W  
Background Noise: <45 dBA  
Overall Sensitivity: >110 dB

## FHR

Operating Mode: Pulsed wave(PW)  
Working Frequency: 3 MHz  
Nominal Frequency: 3 MHz  
FHR Measurement Range: 50 bpm ~ 240 bpm  
Resolution: 1 bpm  
Accuracy: ±2 bpm  
Ultrasound Output  
Isppa.3 <190 W/cm<sup>2</sup>  
Ispta.3 <94 mW/cm<sup>2</sup>  
Isata <10 mW/cm<sup>2</sup>  
Effective Radiating Area:  
(490 ±15%) mm<sup>2</sup>  
Other Info.  
p-<1 MPa  
lob <10 mW/cm<sup>2</sup>  
Ispta <100 mW/cm<sup>2</sup>

## BLUETOOTH

Transmission Range (Without Obstacles):  
> 5 m(Indoor range depends on the  
building's structure and material.

FCC ID: SMQSD1MEDAN  
Modulation: GFSK π 4 DQPSK 8 DPSK  
Frequency: 2400 ~ 2483.5 MHz  
Tolerance Frequency: ≤20 ppm  
RF output power: ≤20 dBm(EIRP)  
Occupied Channel Bandwidth: ≤2 MHz  
Transmitter Unwanted: ≤-30 dBm  
Emissions: ≤-30 dBm

## AUTO POWER-OFF

Power off when the Doppler receives  
no signal or operation 2 minutes.