Science Lab

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Product Name :

FHR Doppler Detector With Accessories

Product Code :

SLE/MDE/14



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Description :

FHR Doppler Detector With Accessories (Product Code: SLE/MDE/14) is a handheld, battery-powered ultrasound device used to detect and count the foetal heart rate during antenatal check-ups and labour in maternity units, clinics and health centres. Midwives hear the heartbeat through its built-in loudspeaker and read the rate on a backlit LCD; it works in continuous Doppler modeat 2 MHz and covers 50–210 bpm. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for hospital orders and lab equipment export from India.

Specifications

Parameter	Detail
Type	Foetal Heart Rate (FHR) ultrasound Doppler detector, handheld, lightweight, with speaker
Operating mode	Ultrasonic continuous Doppler
Transducer	Single external transducer, connected to the main unit by a coiled cable; transducer holder integrated in the main unit body
Ultrasound frequency	2 MHz ± 10 %
Sensitivity	90 dB
Ultrasonic power output	Below 10 mW or below 18 mW, depending on the available model
FHR range	50–210 bpm, ± 2 bpm, resolution 1 bpm
Display	Backlit LCD showing FHR, pulse, frequency, volume, battery and system status
Audio	Integrated loudspeaker with volume adjustment; integrated headset connector; noise suppression
Alarms	Audio/visual alarms for high/low FHR, battery status and system errors
Automatic functions	Self-test and power-off
Power supply	1.5 V AA (LR6) disposable or 1.2 V Ni-MH rechargeable batteries, 2 or 3 depending on the model (not included)
Battery autonomy	More than 5 h or 600 examinations, whichever is higher
Power consumption	0.5 W
Product code	SLE/MDE/14
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the FHR Doppler Detector Used For?

A foetal Doppler lets a health worker confirm that the baby's heart is beating and count its rate without relying on an ear-trumpet stethoscope. The external transducer is placed on the mother's abdo
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