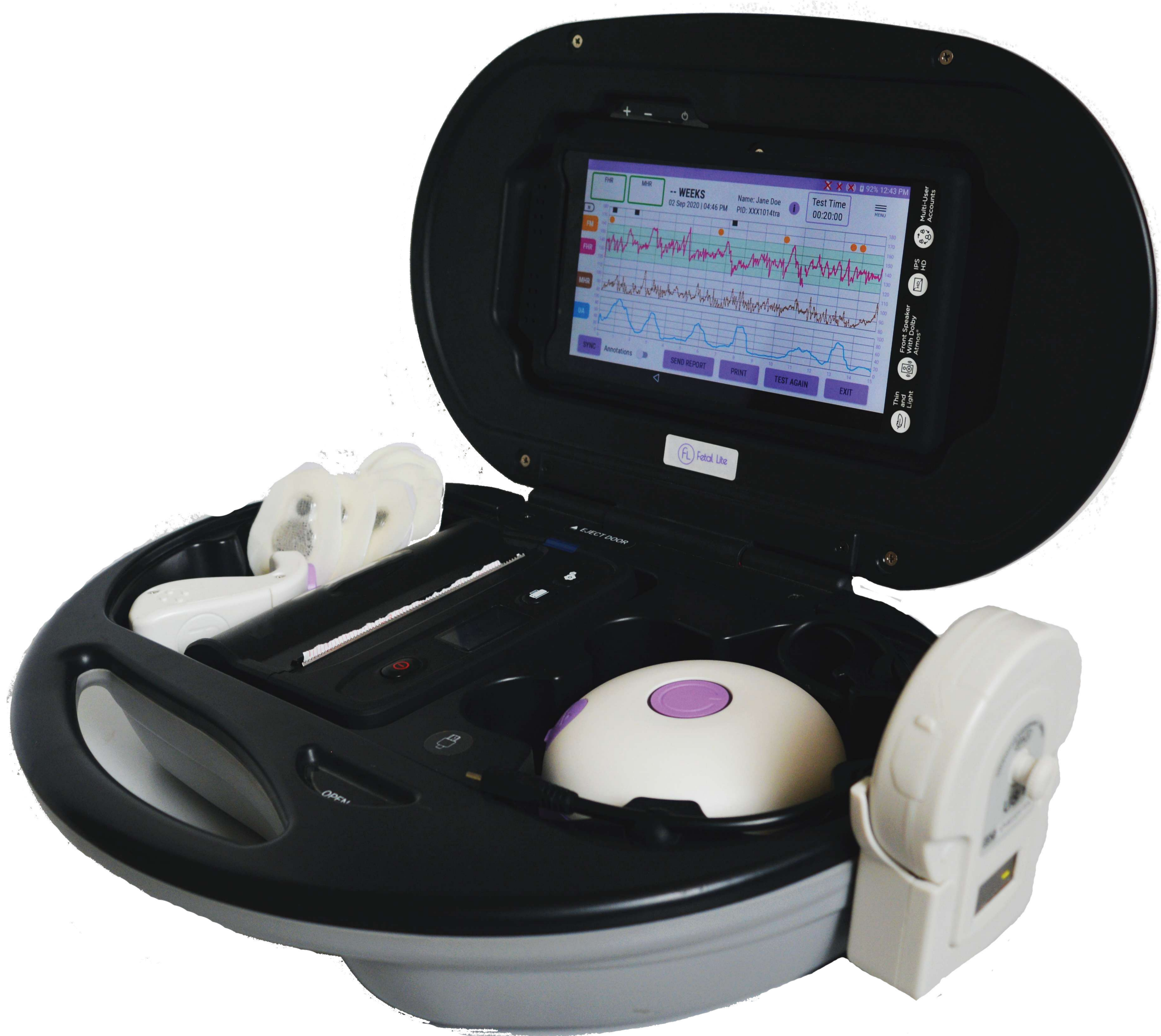




Fetal Lite

Next-gen AI Powered Fetal Monitoring System

A superior labour monitoring experience for you and your patients



Winner, WHO Innovative Health Technologies Compendium 2022



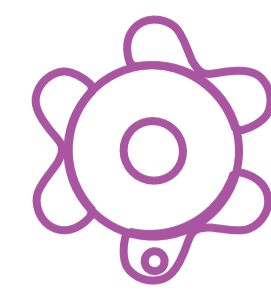
CE IIa certified



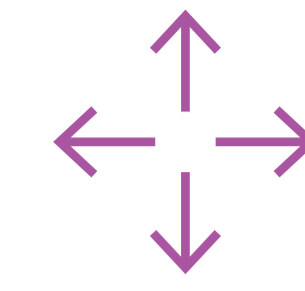
TÜVRheinland®
Precisely Right.

INNACCEL

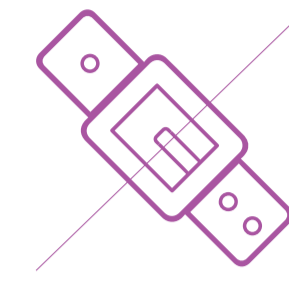
An ISO 13485 Certified Company



Single Sensor Unit
measuring FHR, MHR,
and Uterine Activity



Higher Movement Tolerance
Auto recalibration on fetal
and maternal movements



Ease of Use
No fetal heart localization;
No probe slippage



Superior Patient Comfort
No straps / belts;
No gel required



Audio Feedback
of fetal heart rate



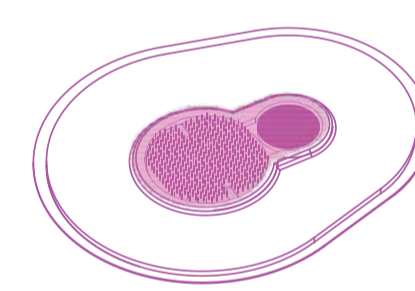
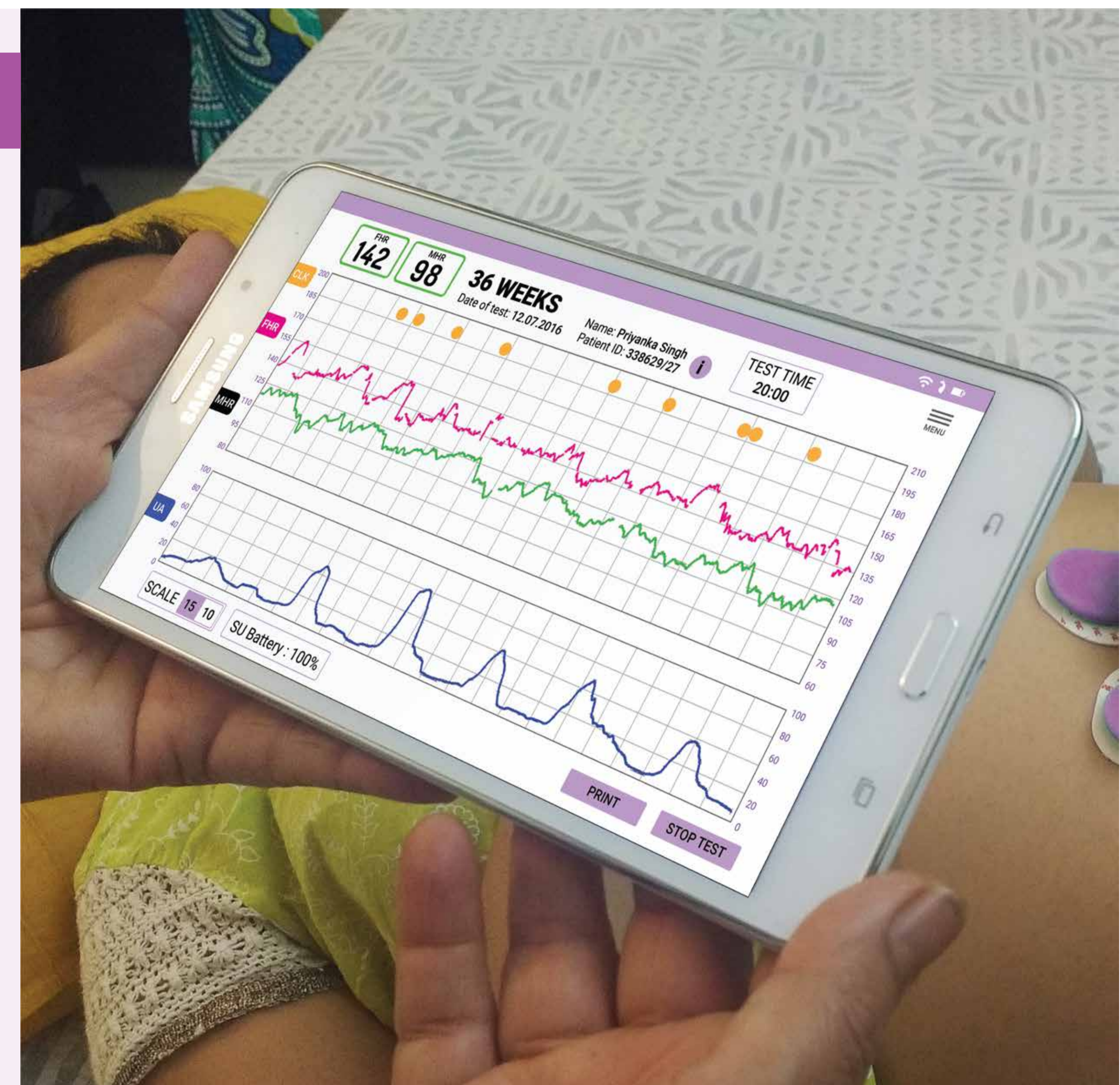
Wireless Data Transmission
within 10 feet



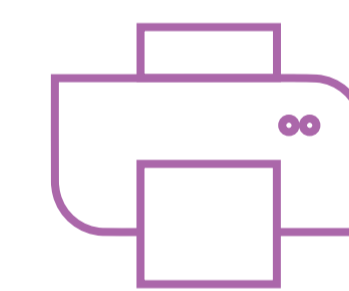
Remote Monitoring
Whatsapp & email
report



Data Storage
for ~ 500 scans



Custom High Sensitivity Electrodes
Easy peel and stick;
No skin preparation required



Digital and Print Reports
In-built printer;
Shareable PDF reports



Clicker
Handheld wireless clicker
to mark fetal movement



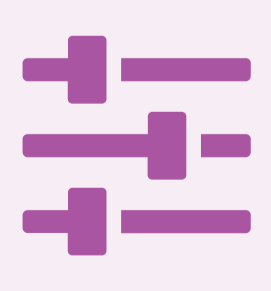
Portable Docking Station
Easy to carry;
<3 Kgs



Allows Presetting
FHR Alarm



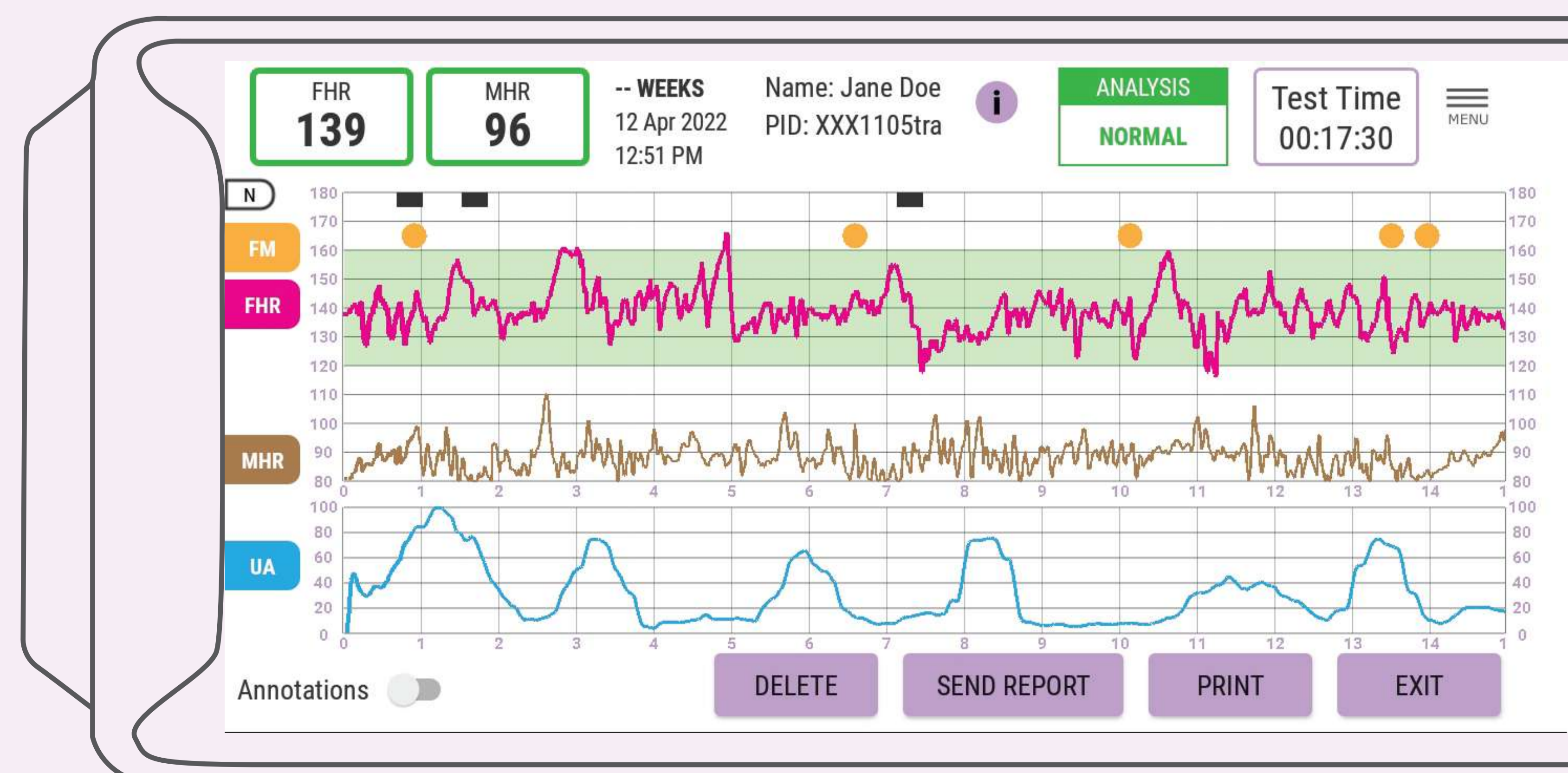
Computerized CTG
Analysis



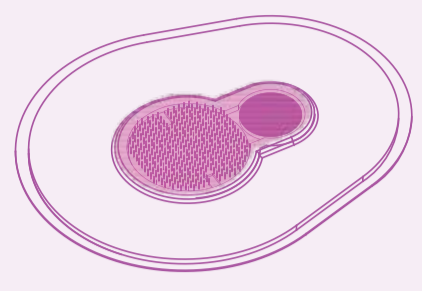
Allows Customizations
in the graph display



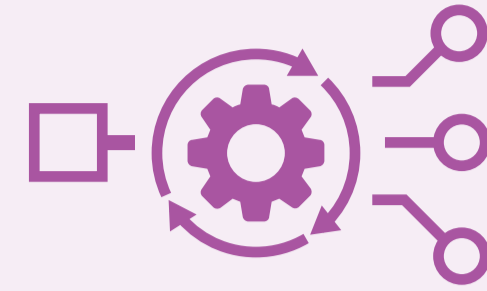
Allows Scrolling



Fetal Lite uses ECG/EMG extraction technology



High sensitivity electrodes pick up electrical signals from the mother's abdomen



Proprietary signal processing algorithm calculates FHR, MHR, UA graphs



Graph displayed on tablet

ECG extraction technology has the following advantages over Doppler systems

No fetal-maternal confusion

Displays beat-to-beat variability of FHR

Yields more accurate results than traditional Doppler system*

*Source: Monitoring Fetal Heart Rate during Labor: A Comparison of Three Methods by Tammy Y. EULIANO 2017;2017:8529816. doi: 0.1155/2017/8529816.

Fetal Lite can be used for both active and remote monitoring



In-hospital settings

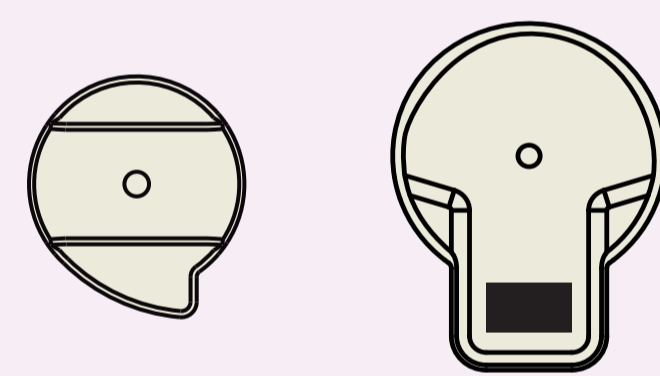


In-home settings

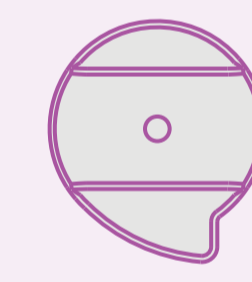
Fetal Lite indications



Sensor unit indicated for post 36 week, singleton pregnancies



Optional ultrasound and TOCO probes for post 24 week monitoring (singleton pregnancies)



Optional FHR 2 probe for twin monitoring (post 24 week monitoring)

Publication

Title: Comparative study to determine the reliability and accuracy of the Fetal Lite electronic fetal monitor when compared with conventional cardiotocography.

Results: Fetal Lite was benchmarked against 'standard of care NST-CTG system' and captured scans with 98% match. (36 patients, 1000+ minutes of comparative data collected)

Awards and Grants



WHO Innovative Health Technologies Compendium



IFC-WBG Global Women HealthTech @CES



GCE India Award



Bill and Melinda Gates Foundation Grant



Millennium Alliance Grant

Technical Specifications

Sensor Unit & Tablet

Abdominal Rlectrophysiological Signal (measured)

FHR (calculated)

MHR (calculated)

Uterine Activity (calculated)

Communication

IP Classification

Operating System (target device)

Screen Size (target device)

Wireless Communication (target device)

CPU (target device)

Storage

Monitoring Software (interfaces)

Sensor Unit (interfaces)

SU Battery

SU Battery Charger (rated charging voltage)

SU Dimensions

SU Weight

Operating Temperature

Storage Temperature

Device Classification

Approval

4 different channels

50 - 210 BPM

30 - 130 BPM

0 - 100 levels

TCP/IP v4

IP54

Android OS 5.1.1 and above

7 inch screen with 800 x 1280 pixels (~216ppi pixel density) resolution

GSM - 2G, 3G, Wifi 802.11b/g/n; 2.4, Wi-Fi Direct

Minimum 1.2 GHz Quad core processor; 2GB RAM

Internal memory: 8GB; External memory: Expandable 32GB/64GB/128GB.

Internal android device storage and WiFi Access

Touch enabled GUI

Micro USB charging port, LED Indicator: Green/Red, On/Off button

Rechargeable lithium polymer 3.7V 18650 type

DC 5V 5W, Micro USB connection

145mm x 145mm x 45mm

210g excluding electrodes

Temperature +10°C - +50°C

Temperature 0°C - +50°C

Class IIa

CE Approved

2 x Rechargeable lithium polymer 3.7V 18650 type

AC/DC 9V 4A, 36W

4 inch paper

355mm x 274mm x 92mm

3026g including tablet

Docking System

Dock Battery

Dock Charger (rated charging voltage)

Thermal Printer

Dimensions

Weight

Ordering Information

Fetal Lite Electronic Fetal Monitor and Tablet :

Fetal Lite EFM Monitoring Software :

Docking Station :

External Wall Mount Adapter :

Clicker :

Ultrasound Probe + TOCO Probe :

Twin Probe (FHR1, FHR2, TOCO) :

Fetal Lite Custom Electrodes :

SATV-FG01-JW

SATV-FG02-JW

SATV-FG03-JW

SATV-FG01-OTS01

SATV-FG04-JW

SATV-FG01-OTS02

SATV-FG01-OTS03

SATV-FG05-JW

InnAccel Technologies

Address: #4, 5th Floor, Aanand Towers,
Raja Rammohan Roy road, Near Richmond Circle,
Sampangiramanagar, Bangalore - 560025, India
+91-8040923864

Email: info@innaccel.com

Website: www.innaccel.com

All rights reserved. No part of this brochure may be reproduced, distributed, or transmitted in any form or any means, including photocopying or other electronic or mechanical methods, without prior permission of InnAccel Technologies.