

Fetal Monitor iCTG standard equipment

- Ultrasound FHR Transducer 1
- Uterine Contraction TOCO Transducer 1
- iCTG app for control 1

Accessories / Options

- AC adapter for charging
- Carry bag
- Pulse oxymeter
- Fetal movement Marker Switch
- Controlling tablet and App

Melody i Series

• Remote monitoring features

A. By iCTG Viewer app for iOS

3G/LTE connection or Wi-Fi connection in the hospital.
Real-time viewing is possible.
Notification when start measurement.
*iOS notification function.
History viewing function.
*listed by measurement time and by patient ID.
Multiple iCTGs can be registered to a single device.
*Internet connection required.



B. By e-mail link

Send link to registered e-mail address when measurement starts.
*unlimited number of registered e-mail addresses.
Real-time viewing is possible.
Only the data linked in the e-mail can be viewed.
*Internet connection required



C. By web browser

SSO: Login ID / Password Security
*Unlimited number of IDs registered.
Real-time viewing is possible.
CTG graph printing function
CTG graph PDF conversion function (A4/A3)
Patient ID list history viewing function
*Internet connection required

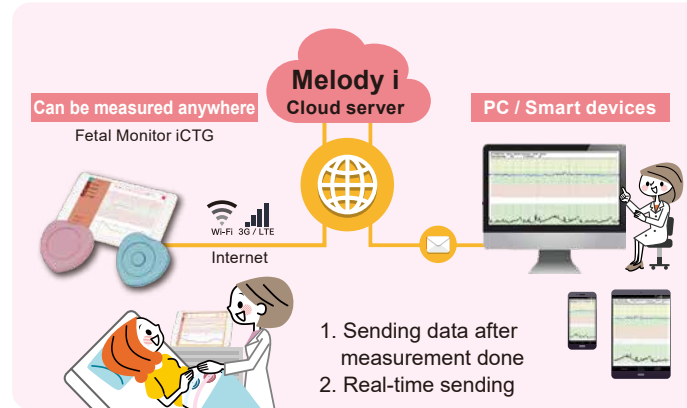


• Central i (central monitoring system)

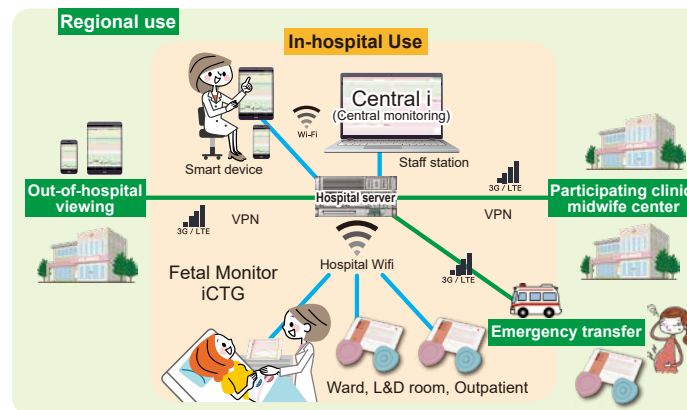
Connect as many Mobile Fetal Monitors as you want and monitor them all in real-time on a web browser.
Wide-area CTG monitoring connecting multiple medical institutions.
Reduce initial costs with Cloud Central Monitor. It can also be deployed on on-premises servers.



Single Usage example of Fetal Monitor iCTG



Central i (in-hospital / regional) usage example



■ Specification

Product Name :	Fetal Monitor iCTG
Model Name :	MI1001A
Medical Device Approval Number :	230AFBZX00024000 - JAPAN
Nonproprietary Name :	Fetal Monitor JMDN 37796000
Group :	Machinery and Equipment 21, device for visceral organ function examination
Classification Class :	Controlled Medical Device Class 2, Specially designated maintenance control required medical devices

Device Classification

Forms of protection against electric shock:	Internally Powered
The degree of protection against electric shock on applied part:	Type BF
The degree of protection against invasion of water:	IPX2

Communication Method / Operating Hour / Weight / Size		Electrical Rating Charging AC Adapter	
Communication Method	Bluetooth 4.1 LE	Input Voltage	AC100-240V
Recommended Distance	approx. 20m	Input Rating	0.29A-0.16A
Operating Hour	approx. 6 hours (with Max Volume)	Frequency	50/60Hz
Charging Time	approx. 1 hour	Output Voltage	DC5V
Weight	Ultrasound Transducer / 166 gram	Output Rating	2A
	Uterus Contraction Transducer / 137 gram	Operating Environment	
Size	96mm x 93mm x 29.5mm (L x W x H, ±1mm)	Temperature	15~35°C
Electrical Rating: Transducer		Relative Humidity	20~80% (no dewing)
Power-Supply Voltage - Internal Power	DC 3.7V	Atmospheric Pressure	700~1060hPa
Battery Type	Lithium Ion Battery	Storing Environment	
Power-Supply Voltage - Charge	DC 5.0V - AC Adapter	Temperature	-10~45°C
		Relative Humidity	10~90%
		Atmospheric Pressure	700~1060hPa

Caution

Please charge transducers and tablet every day. Please check the Bluetooth connection before measurement. *Tablet is not included in Fetal Monitor iCTG. Please install included controlling software into specified tablet to use. ※Tablets can be chosen from a list of designated devices.
[Measurement Tablet System Requirement] only for designated devices. iOS, Android OS (Support planned). Has Bluetooth chip from Cypress Inc. (ex.Broadcom Inc.) Certified as IEC62368-1 or IEC60601-1
*IOS® is a registered trademark of Cisco in the US and is used by Apple under license. Android is a trademark of Google LLC.



Approved Japan PMDA / ISO13485 certified
Registered Thai FDA
US FDA will be obtained by mid of 2022
CE mark and Saudi Arabia FDA are preparing

【Manufacturer】

Melody International Ltd.

Registered Medical Device Manufacturer / Class 2 medical devices marketing license /
Licensed Medical Device Retail/Rental Service

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【Manufacturer】 Melody International Ltd.

Phytronix Ltd. Takamatsu Factory



Melody International

The Future of Perinatal e-Health

Anytime, Anywhere

It's a small and smart Mobile Fetal Monitor that comprises of two transducers. You can monitor health condition of an expectant mother and her fetus at any time, from anywhere. 6 "S" will help ease busy medical scenes.

Simple

Easy to find a fetal heart rate
Heart shaped fetal heart monitor will emit heart beat sound, enabling users to locate fetal heart location naturally.

*Patented

Secure

Measured data is stored in a data server
Data will be securely saved in a data server (either in-hospital or cloud), providing safe place for medical data. Our cloud server will guarantee 10 years of data storage. You don't have to think about managing data recording sheets anymore. In case you need to print out, use data viewing PC to print out desired section of a graph and attach it to medical record.

Smooth

Sends Data to your smartphone
After measurement is done, results can be sent to devices like doctor's smartphone and tablet, as well as to PC in the doctor's office or staff room through internet / Wi-Fi. Data can be checked by opening internet browser. Doctors can utilize their available time effectively. Real-time monitoring is possible with Central i (central monitoring, optional) and real-time cloud (optional).

Smart

Achieves paperless work with tablet display
A tablet device will be used for controlling measurement and displaying CTG graph. iPad, Windows 10 device, and Android device can be used depending on a hospital system. Tablet screen can be scrolled to see a full view of a graph, assisting doctor's quick decision making.

Small

Small, lightweight, wireless
= reduces stress of an expectant mother
Transducers only have a weight of an average smartphone. It is completely cable-free, so expectant mothers can walk freely when the device is connected to the Wi-Fi network. (please carry with you a display tablet)

Safe

Up to 6 to 10 hours use
1 hour battery charging will allow up to 6 to 10 hours of continuous measuring. You can use it for long time without a hassle to charge. (check the battery level before use)

Fetal Heart Rate
Ultrasound Transducer

Uterine Contraction
Toco transducer

Actual Size

Actual Screenshot



Doctors can use any devices to view results.

► High quality and multifunction, packed in a small body; it can be used in various medical situations.



Remote monitoring

High risk expectant mother's condition can be monitored remotely. Screening in advance can be done, reducing high risk emergency delivery. Reducing the Risk of COVID-19 Incidence.



Using a waiting time efficiently

Because Fetal Monitor iCTG is battery operated and cable-free, it can be used during an outpatient waiting time, reducing total time of checkup and results in reduction of maternal stress.



Real-time transmission during emergency transfer

By loading Fetal Monitor iCTG on an ambulance, a real-time transmission of measured data becomes possible, enabling accepting hospital to better prepare before arrival. (real-time cloud is optional)



Same attachment style as conventional devices

There is no difference in how to put it on than the conventional CTG device. Place FHR on a proper location for an optimal fetal heart sound, and TOCO on a location where stable pressure is applicable.



Fits on expectant mother's body perfectly

Because it is completely cable-free, there is no problem in moving around after the transducers are placed on an expectant mother's abdomen.



Control from tablet after putting it on

Once transducers are connected to a tablet via Bluetooth, you can control everything from a tablet with a good usability.

► It enables straight forward usability and versatility like never before.