

**energy
for life...**



...the freeplay FHARM

- **2MHz fetal detection transducer**
- **Built-in FHR software with large LCD display**
- **Multipoint high resolution auto correlator**
- **No batteries required**
- **No power supply required**
- **Extended charge life with intelligent eco saver system**
- **Rugged design for challenging environments**
- **Simple to operate**
- **Lightweight portable unit**

ultrasound technologies ltd
25 years of fetal detection

freeplay FHRM

Weighing under 600 grams the freeplay FHRM is a fully portable fetal doppler with fetal heart rate display built for rugged environments.

It will operate without the need of mains supply or batteries, being charged, when required, by the self charge mechanism built into the unit. When a mains supply is available it can also be charged and provide over 10 hours of use from its built in rechargeable batteries.

The freeplay FHRM has all the necessary facilities for accurate antenatal fetal heart rate detection and monitoring in one rugged and compact unit.

The probes are connected to the unit via a long retractile cable, reducing the need to continuously move the unit around the patient.

With full multipoint digital autocorrelation the fetal heart detection it provides is accurate and reliable with the display of fetal heart rate on a large easy to read LCD display.

Simple to operate the FHRM is designed with a minimum number of controls. Just one to turn the unit on / off .

The Freeplay monitor is created expressly for the harsh conditions of rural and remote settings in the developing world. It is simple (it has only an on-off switch and a hand crank for generating its own electricity). It is built for robust operation and made to withstand knock-about conditions. Cranking its onboard power supply charger for one minute provides a full 10 minutes of operation; two minutes creates 20 minutes of charge.



Technical Specification

Ultrasound		Frequency	2 MHz continuous wave
		Transducer	2 crystal narrow beam
		Audio	Response 300 to 1KHz
		Range	50 to 210 bpm
		Power output	<10mW/cm2
		Indicators	LCD heart rate and pulse indication
		Heart Rate Processing	Digital multipoint autocorrelator
Data Presentation		Display	Alpha numeric LCD display , FH and battery low indicator.
		Control	Unit on / off
		Indicators	Green charge indicator.
Power Supply		AC input voltage (mains charger)	100 – 260 VAC
		Frequency	46 – 64 Hz
		Battery charge life	>10 hours (use)
		Battery charge time	<3 hours
		Hand crank charge	1 min = 10min use
Enclosure			PC ABS
Safety		Classification	Class I Type B - IEC 60601-I

For further information or to place an order contact your local distributor or :

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TO IMPROVE
LIFE
2009 award