



PHILIPS

Fetal Doppler



Portable, power-independent fetal heart rate monitor

Saving lives at birth

Complications during labor and delivery are responsible for almost a quarter of newborn deaths worldwide. Developing countries are carrying the main burden of this. Many of these lives can be saved through better fetal monitoring during labor, combined with timely referral in case of complications. The wind-up Philips Fetal Doppler is a portable, robust and most important of all, a power-independent monitor that accurately measures fetal heart rate – a critical indicator of fetal health.

Accurate and relevant, wherever you are

Developed by Powerfree Education Technology (PET) and marketed by Philips, this fetal heart rate monitor has built-in batteries that provide up to 10 hours of use. And when no mains supply is available, cranking the wind-up handle for one minute provides power for up to 10 minutes of operation. So no matter where you're working, you can always get an accurate fetal heart rate reading. This device was tested in Uganda,

where up to 60% more cases of abnormal fetal heart rate were detected in labor, compared to the use of the standard Pinard-stethoscope. [ref: [Byaruhanga R, et al. BMJ Open 2015;5](#)]

Light, robust and easy to use

The wind-up Philips Fetal Doppler is light and portable. What's more, the robust outer casing makes it ideal for rural and remote settings. It's also simple to operate. A built-in loudspeaker lets you hear the heart rate while the display screen indicates detectable heartbeat, beats per minute and low battery life. As a result, you can quickly identify any abnormal fetal heart activity and take prompt action.

- Affordable
- Easy to use
- Robust
- Accurate and reliable
- No consumables
- Power independent

The wind-up Philips Fetal Doppler is robust, portable, accurate and affordable

Technical Specifications:

Ultrasound

Frequency	2 MHz continuous wave
Transducer	2 crystal narrow beam
Audio	Response 300 to 1KHz
Range	50 to 210 bpm
Power output	<10 mW/cm ²
Indicators	LCD heart rate and pulse indication
Heart Rate Processing	Digital multipoint autocorrelator

Data presentation

Display	Alphanumeric LCD display, Fetal Heart rate 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	> 6 hours (use)
Battery charge time	< 3 hours
Hand crank charge	1 min = 10 min use
Enclosure	PC ABS
Safety / Classification	Class 2 Type B - IEC 60601-1

