sonicaid®

Fetal Dopplers

HUNTLEIGH

Introducing a **new** dimension in sound and vision

...performance for life

The Sonicaid Digital Doppler
- a new dimension in sound and vision

Visual presentation of fetal heart rate (FHR), in numeric and trace views, providing added clinical reassurance

With over 40 years' experience in fetal monitoring our technological innovations have enabled us to develop a new digital platform for our latest Doppler range. This generation of Doppler combines excellence in probe performance with digital signal processing to provide superb digital audio using our unique Dynamic Digital Noise Reduction (DDNR) system and gel filter.

Our latest digital algorithms optimise FHR performance and the high resolution colour display includes new "BIG numbers" & trace display modes. Doppler sound recording, on-screen trace review and playback are just some of the many new features in this state of the art digital Doppler unit.

HD
High resolution colour display
- FHR & trace displayed in high definition.
- Wide viewing angle.

123
Multi Functional Display
- Toggle between "BIG" numbers FHR display mode and FHR trace mode.

REC ▶
Data storage on Micro SD card
- Extensive storage capacity of both FHR and audio files for playback or download to our viewing & archiving software.

Integrated charging & connectivity
- MicroUSB port for convenient charging and communication with our viewing & archiving software.
- Stereo headphone connection socket.

XS
High Sensitivity probes
- Calibrated and fine-tuned to provide excellent performance over the widest gestational age & BMI range in all clinical settings.

DDNR
Hear the difference
- Digital sound processing enables our new DDNR system to reduce background noise and the gel filter reduces the loud crackle when gel is applied. Delivering our best ever and clearest sounds for optimum FHR detection.

BIG Numbers Mode displays the heart rate in a high contrast colour for optimum visibility, making it easy to see at arms length or in waterbirth environments.

- Real time display includes date & time, signal quality, FHR alerts and battery level indicators.
- Ensures high visibility of FHR over wide viewing range
- Easier FHR screening particularly in waterbirth settings

Trace View mode offers enhanced screening for improved quality of care and allows more in-depth review for higher risk situations.

- Includes fetal movement markers and automatic date & time stamping
- Live on-screen scrolling for trace review of longer traces
- No limit to trace length

Instantly visualise the fetal heart rate and trace
Simply switch between **BIG** numbers and our unique **TRACE** view.

Storage and Playback
Store and retrieve FHR traces and sounds for review.

Rechargeable
Charged via USB socket, providing low running costs and negates the need to change batteries.

Documentation
Archive traces and sounds to our software package providing a record of intermittent auscultation.

Educational Resource Tool
Pre-stored files on the SD card can be used to demonstrate obstetric sounds.

Real Time Clock
Ensures that all stored data is time and date stamped, providing proof of when the test was undertaken.

Labour Auscultation Timer
A unique 15-minute timer function is available for use in managing low risk labour, where guidelines recommend performing a Doppler examination every 15 minutes.

Hear the difference - Performance when you need it the most

New Range of Digital Handheld Dopplers
Choose the model that suits your needs

Our NEW range of Digital Handheld Dopplers includes 3 models. All models are rechargeable as standard, and can be supplied complete with a medical grade mains charger and cable.

SR2 and SR3

SR2 and SR3
Rate and Trace Display Dopplers with fixed 2MHz or 3MHz waterproof probe models.

These high sensitivity handheld Digital Dopplers are intended for general purpose screening of the fetal heart at all stages of pregnancy from as early as 8-10 weeks, right through to labour. The attached probes are waterproof (IPX7) for high sensitivity FHR detection in both normal use and in waterbirth monitoring.

Choose between 2MHz (SR2) or 3MHz (SR3) fixed probe options. The 2MHz model is a general purpose probe for use at all stages of pregnancy. The 3MHz probe is the probe of choice for many clinicians for use in early gestation.

SRX

SRX
Rate and Trace Display Dopplers with interchangeable obstetric and vascular probe options.

As per the above models but for use with plug-in interchangeable non-waterproof probes. They can be used with the full set of XS probes including the 2 & 3MHz obstetric probes (OP2XS, OP3XS) and the full vascular range of VPxXS probes for audio screening of venous and arterial blood flow. (eg. umbilical / uterine artery)

Documentation

The traditional process of using a handheld Doppler to listen to the fetal heart has relied on hand-written notes to document that this procedure was performed; this being the only evidence that this was done. Today, there is a growing need to document every procedure in a robust, centrally archived, electronic form, as an integral part of a woman's pregnancy record.

Using the USB communication port, this new range of Digital handheld Dopplers can now connect to our Sonicaid CTG viewing & archiving software systems, providing robust documentation of the procedure saved directly into the mother's electronic patient record. Audio and fetal heart rate data can either be transferred in real time, or the data can be stored locally in the Doppler, for subsequent transfer to the software system.

Refer to our software systems promotional material for further information on our software range of products.

Audio, Rate and Desktop Dopplers

The MD200 desktop solution is ideal for clinicians requiring a larger, mains powered Doppler unit. It provides enhanced fetal heart sounds and displays fetal heart rate. A data output port connects to the Sonicaid Printa allowing FHR traces, complete with fetal movement marks, to be printed. Compatible with the XS range of high sensitivity probes, it can be used with the OP2XS or OP3XS obstetric probes and with the full range of vascular probes for blood flow (audio only).

- Mains/rechargeable battery operation
- Robust desktop/tabletop design
- Probes are conveniently stored within the unit
- LCD showing FHR, probe frequency and battery status
- Serial port for connection to Sonicaid Printa
- Two speakers provide enhanced quality fetal heart sounds

Sonicaid D920 & D930 Audio Dopplers with fixed 2 or 3MHz waterproof probes.

The D920, with its high sensitivity probe and excellent audio quality, ensures easy and reliable detection throughout pregnancy.

The D930 model meets the growing demand for a high sensitivity 3MHz Doppler for sensitive detection in early gestation.

- High sensitivity probes for improved ease of use
- Waterproof probes suitable for waterbirth
- Easy clean probe for improved infection control

The Sonicaid One is a rate display Doppler with a fixed 2MHz probe. This compact fetal Doppler has been designed to fit easily into the clinician's pocket. Its wide beam coverage enables quick location of the fetal heart from early gestation to full term.

- Innovative and stylish
- Integrated probe and cable storage
- Low running costs, excellent battery life
- Pocket ergonomics
- Fetal heart rate display

sonicaid Handheld and Desktop Dopplers
Technical Specification

Product Features	SR2-R	SR2	SR3-R	SR3	SRX-R	SRX	D920	D930	MD200
Product Order Code	SR2-R	SR2	SR3-R	SR3	SRX-R	SRX	D920	D930	MD200
High Resolution Colour Display	•	•	•	•	•	•	LED indicators	LED indicators	LCD
FHR BIG Numbers & Trace Display	•	•	•	•	•	•			FHR Only
Probe Frequency	2MHz	2MHz	3MHz	3MHz	2 / 3MHz	2 / 3MHz	2MHz	3MHz	2 / 3MHz
Attached Waterproof Probes	•	•	•	•			•	•	
Gel Suppression	•	•	•	•	•	•			
Noise Reduction	DDNR	DDNR	DDNR	DDNR	DDNR	DDNR	Active	Active	Active
Removable Micro SD Card Storage	•	•	•	•	•	•			
User Adjustable FHR Threshold Indicators	•	•	•	•	•	•			
15-Minute Labour Observation Timer	•	•	•	•	•	•			
Record, Playback & Download of FHR & Sound	•	•	•	•	•	•			
Integrated Loudspeaker	•	•	•	•	•	•	•	•	•
Headphone Output	•	•	•	•	•	•	•	•	•
Sonicaid Software Compatible	•	•	•	•	•	•			
Micro USB Capability	•	•	•	•	•	•			
Battery Type Supplied as Standard	2 x AA Rechargeable batteries	2 x AA Alkaline batteries	2 x AA Rechargeable batteries	2 x AA Alkaline batteries	2 x AA Rechargeable batteries	2 x AA Alkaline batteries	9 volt alkaline-6LR61, 6LF22 or equivalent recommended (eg. MN1604)		NiMH Integral
110 - 240 V Medical Grade Recharging Kit (supplied with country adaptors)	•	○	•	○	•	○			
Battery Life (no. of 1-min exams)	500	500	500	500	500	500	500	500	Mains / Battery
Warranty*	1 year	1 year	1 year	1 year	1 year	1 year	5 year	5 year	3 year
Accessories	All handheld models supplied complete with: gel, soft carry bag, user manual. MD200 supplied with mains lead, gel & user manual								
Safety Standard Compliance	All models comply with : IEC 60601-1: Edition 3.1, ANSI/AAMI ES 60601-1:2005. , CAN/CSAC22.2 No 60601-1:08. , IEC 60601-1:1998+A2:1995 (2nd Edition) , JIS T 060606-1:2012 , EN 60601-1-11:2010 , EN 60601-2-37:2008+A11:2011. , IEC 60601-1-2:2007								
Weight	310gms (11oz)						295gms (10oz)		1.45kg (46oz)
Dimensions	Height 140mm (5.5") Width 75mm (3.0") Depth 30mm (1.2")						Height 140mm (5.5") Width 74mm (2.9") Depth 27 (1.1")		H 240mm (9.5") W 227mm (8.9") D 79mm (3.1")

• Standard
○ Option
* Refer to separate warranty statements