With the Consistent and Reliable[1]
DAWES-REDMAN CTG ANALYSIS®

FETAL AND MATERNAL MONITORS

Sonicaid® Team3

HUNTLEIGH
A MEMBER OF THE ARJO FAMILY

Sonicaid® Team3 Fetal and Maternal Monitors

Elevate obstetric care for mums and babies with the Sonicaid® Team3, which aims to combine reliability, intuitive design, freedom of movement and the **DAWES-REDMAN CTG ANALYSIS**®. Team3 is designed for the complex demands of fetal monitoring, with uncompromised signal quality, stress-free workflow and advanced clinical insights in mind.

With a wide range of options, Team3 is engineered to provide high sensitivity transducers and unique digital processing, from low to high BMI, in all antenatal & labour settings.

Easy to use via the icon driven touchscreen, the fetal heart rate can be displayed as a CTG trace or as "Big numbers" which auto scale for single, twins or triplet monitoring for optimum visibility.

Intuitive User Interface

- High resolution display can be viewed from a distance even in brightly or dimly lit environments
- Wide viewing angle
- Can be used with examination gloves on

Integral Battery

- Ideal for monitoring during transfer
- Essential where mains power is unreliable
- Provides up to 4-hour use

Comprehensive Fetal and Maternal Vital Signs

- With Nelcor™ or Mamiso SET® sensors
- Maternal pulse rate
- NiBP Validated on pregnant and pre-eclamptic women[2]
- SpO_2
- FECG/DECG, MECG and IUP

Multi-Functional Display

- Toggle between "BIG Numbers" and FHR trace display modes
- On screen trace review & scrolling with clear colour separation of multiple traces, even with triplets

Advanced Insight

- The Only monitor with the exclusive and **DAWES REDMAN**® algorithm developed by the DAWES REDMAN team at Oxford university.

Secured Patient Records

- Temporary patient storage
- On-screen GA calculator (LMP, GA, EDD)
- Export records to Centrale 3 archiving and monitoring platform
- Standalone device protected from remote cyber security threats

Monitor Large Mums with Confidence

Widebeam Ultrasound Technology

Widebeam ultrasound technology has resulted in a wider, deeper, uniform beam shape. Coupled with clear digital Doppler audio, it enables clinicians to quickly and easily locate and maintain contact with the fetal heart beat. Especially when monitoring high BMI cases.

High BMI Monitoring

Our highest sensitivity ultrasound reduces the need for invasive FECG and IUP monitoring. Our transducers have been engineered to reliably monitor fetal heart rates, even on high BMI women with our patented "Locate and Track" technology.

Managing Multiple Pregnancies

Team3 is capable of monitoring singletons, twins, and triplets, allowing each baby's heartbeat to be clearly heard and visualised.

Freedom of Movement

Created specifically for use with our latest Sonicaid Team3 Series of fetal monitors[3] our Wireless Transducer System offers flexibility and choice when monitoring mother and baby.

The system consists of wireless ultrasound transducers for monitoring fetal heart rate and TOCO transducer for monitoring uterine activity together with a base station for docking and recharging.

Lightweight waterproof (IPX8) wireless transducers allow mum and fetus (singleton or twins) to be continuously monitored freely even in the bath or shower, allowing the widest choice of birthing positions to assist with labour and delivery.

Optional wireless monitoring configurations:

- TOCO-E with two lead maternal electrocardiogram (MECG)
- TOCO-E with fetal electrocardiogram (FECG)
- Unobtrusive base station design with built-in antenna
- Integrated Transducer Belt Clip

Optional trolley mount with the Sonicaid Team3, complete with additional storage mounts for traditional wired transducers.

Antepartum Team3 A

Intrapartum Team3 I

Antepartum and Intrapartum models available in singleton, twins or triplet configuration. Available with maternal vital signs options and integral battery.

References:

2. "Investigation of the Measurement Accuracy of Different Cuff Types and Measurement Modes According to ISO 81060-2 in Pregnant and Pre-Eclamptic Women" - Par Medizintechnik GmbH.
3. Contact your local Huntleigh Representative for Team3 compatibility.

DAWES-REDMAN CTG ANALYSIS® ...Your Expert Eye

The unique and exclusive **DAWES REDMAN**® algorithm, based on a library of over 100,000 pregnancies, reliably and effectively[4] analysis CTG traces. It enables you to consistently[4] interpret CTGs so you can formulate your clinical assessment early and confidently.

Consistant and Reliable[3]

It ensures consistent and objective, quantifiable interpretation of CTG patterns, reducing the variability that can occur with subjective visual assessments.

Effective[4]

"The **DAWES REDMAN**® algorithm is effective for its intended purpose: identifying a state of fetal wellbeing. This is evidenced by its high specificity."[5]

Saves Time

The analysis can be concluded in as little as 10 minutes.[6] It helps increase efficiency and saves time[7], so you can dedicate care towards higher risk mums.

Saves Cost

Saving time can also save costs, as the number of CTG monitoring increases. Furthermore, helping prevent one poor outcome could save millions of pounds in litigation.[8]

Help Avoid Poor Outcomes

A recent study brought to light the significance of meeting criteria. It evaluated that "The risk of adverse perinatal outcome is 8 to 9 times higher in the group not meeting **DAWES REDMAN**® criteria than when the criteria are met."[9]

"Having identified the problems with traditional CTG interpretation, and after dedicating over 35 years' on-going research with the team at Oxford University, I'm delighted to see our analysis increasingly being used worldwide in Huntleigh's products... knowing the benefit this gives in helping babies to enter the world safely & avoiding some of the tragic outcomes we see when CTG interpretation goes wrong."

Professor Chris Redman

*"The **DAWES REDMAN**® analysis is a robust and valuable system which is used here at King's Mill Hospital on a daily basis in the antenatal day unit. We have used this system for more than 10 years and it has proved invaluable in providing midwives and clinicians with robust and objective trace information when assessing mums. It provides tremendous reassurance to myself & my team and has proved to be a vital addition to our clinical procedures & practices."*

Consultant Obstetrician

"I soon realised it's potential and benefits...this can greatly reduce the time for women being monitored and reduce the length of their visit... I learned from the system and rather than replace my clinical judgement it supported it...I would recommend the fetal care system for use in any antenatal setting."

Antenatal Day Unit Manager

References:

4. Jones, Gabriel Davis, et al. "Computerized analysis of antepartum cardiotocography: a review." Maternal-Fetal Medicine 4.2 (2022): 130-140.
5. Davis Jones G, Albert B, Cooke W, Vatish M. Performance evaluation of computerized antepartum fetal heart rate monitoring: Dawes-Redman algorithm at term. Ultrasound Obstet Gynecol. 2025 Feb;65(2):191-197.
6. Pardey J, Moulden M, Redman CW. A computer system for the numerical analysis of nonstress tests. Am J Obstet Gynecol. 2002 May;186(5):1095-103
7. Dawes et al. Antenatal CTG quality and interpretation using computers. BJOG 1992;99:791-797
8. Denis Campbell. Brain damage to babies in birth has cost NHS in England £4.1bn in lawsuits. The Guardian. 26 May 2024
9. Bhide A, et al. The significance of meeting Dawes–Redman criteria in computerised antenatal fetal heart rate assessment. BJOG. 2023;00:1–6.

Elevate your monitoring experience for large mums, twins or triplets, across antenatal care, and labour & delivery settings

Integrated trace night light.

Maternal Blood Pressure

Monitoring maternal blood pressure is vital to ensure the safety of mother and fetus. It aids in the detection of conditions like hypertension, which are associated with a variety of pregnancy complications ranging from preterm delivery to maternal or fetal death.

To give you assurance that you have data you can rely on, the blood pressure module of the Sonicaid Team3 monitor has been independently validated to give accurate readings on pregnant and pre-eclamptic mothers. Combined with conical cuffs for better fit and easier application, getting accurate maternal blood pressure has never been simpler.[10]

Masimo SET® Offers a Unique Array of Breakthrough Parameters

In addition to oxygen saturation (SpO_2) and pulse rate (PR), the Masimo SET® sensors provide a non-invasive measure of peripheral perfusion with the perfusion index (Pi) parameter. Masimo SET overcomes the limitation of conventional sensors with the ability to measure through motion and low perfusion. Studies found that it detected approximately 10 times more true events than other sensors.[11,12]

Another study concluded that low Pi before anesthesia in elective C-sections predicts higher neonatal morbidity and is linked to hidden placental inflammation. This supports the potential of using Masimo SET as a non-invasive prenatal screening tool.[13]

References:

10. "Investigation of the Measurement Accuracy of Different Cuff Types and Measurement Modes According to ISO 81060-2 in Pregnant and Pre-Eclamptic Women" - Par Medizintechnik GmbH.
11. Hay WW. J of Perinatol, 2002;22:360-36. 12. Barker SJ. Anesth Analg. 2002;95(4):967-72 13. De Felice C., Pediatr Crit Care Med. 2008 Mar;9(2):203-8.

Sonicaid® Centrale 3

Aim to improve your medical documentation workflow efficiency with our intuitive, flexible and powerful Centrale 3 perinatal software platform.

Modular Software Solutions for Maximum Flexibility and Efficiency in the Care of Mother and Baby

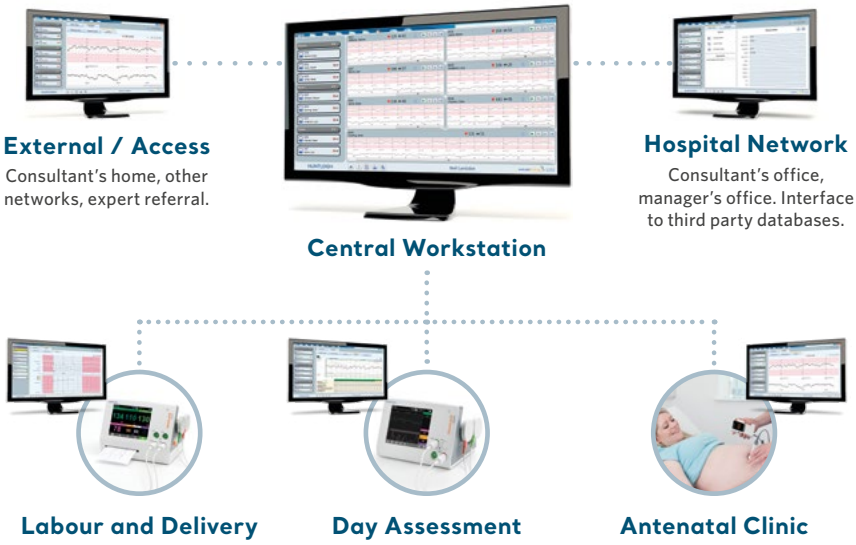
Our software is designed to address every type of maternity environment, from simple single user platforms through to fully integrated installations. The platform is a highly scalable system which can increase process efficiency considerably and gives clinicians the ability to customise to suit local protocols, workflows or guidelines.

Access to Information Improves Efficiency

Remote access enhances clinical responsiveness and can be shared over various sites and platforms.

Features at a glance

- **DAWES REDMAN®** algorithm
- Flexible and scalable
- Hospital systems integration
- Patient confidentiality compliant
- Store records from fetal monitors and SR Dopplers
- Certified medical device



For further information on our suite of Software Systems, please refer to our Software brochure, visit our website or contact our Customer Care Department.

Standard Product Features	Team3 A	Team3 I
8.5" Colour graphic touchscreen display	•	•
Integral 150mm Printer (see factory fit option below for no printer models)	•	•
DAWES REDMAN® algorithm	•	▫
Twins capable*	•	•
Fetal ECG (choice of electrode type)		•
Maternal ECG		•
Integral Trace Memory	•	•
Interfaces		
RS232, Ethernet (TCP/IP)[Δ], USB (x2), Wireless System port	•	•
Accessories		
Ultrasound transducer*	•	•
Contractions transducer	•	•
Patient Event Marker	•	•
FECG leg plate interface cable (choice of electrode type)		•
MECG interface cable		▫
IntraUterine Pressure interface cable		▫
Sonicaid Team3 Wireless Transducer System		▫
Mobile trolley with storage trays	▫	▫
Wall mount	▫	▫
Technical Specifications		
Mains power	85-264V, 50/60Hz, <100VA, IEC power cable	
Weight	6Kg (13.5lbs) Max	
Dimensions (WxLxH)	Inc Printer: 32 x 23 x 24cm	Excl Printer: 32 x 23 x 19cm

Factory Fit Options	Team3 A	Team3 I	Code**
Material Blood Pressure (NiBP + MHR) (inc 1 x med, 1 x large cuff)	▫	▫	N
Nelcor Maternal Sensor (SpO_2, PR)	▫	▫	M
Masimo SET Sensor (SpO_2, PR, Pi)	▫	▫	Z
Triplets	▫	▫	3
Integral re-chargeable battery	•	•	B
Paper tray for pre-printed paper (choice of paper types)	▫	▫	P/G[†]

• = Supplied as standard ▫ = Available as option

*Supplied as standard with 1 x US transducer, order additional transducers for Twins and Triplets configuration.
**OPTION CODES – Order using above codes appended to model number Example: for a TEAM3A with NiBP, Battery order TEAM3A NB.
[†] P/G CODE: use P for Philips paper tray use G for GE paper tray. Team3s ordered with P or G code are supplied without paper packs.
[Δ] Only for development and future upgrades.

Cover reference:

1. Jones, Gabriel Davis, et al. "Computerized analysis of antepartum cardiotocography: a review." Maternal-Fetal Medicine 4.2 (2022): 130-140.

As a proud member of the Arjo family, we have been committed to supporting healthcare professionals in improving outcomes and enhancing patient wellbeing since 1979. We do this through our proven solutions for Vascular Assessment & Treatment and Fetal & Patient Monitoring. With innovation and customer satisfaction as our guiding principles, we strive for clinical excellence and improved performance, for life.

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A Member of the Arjo Family
As our policy is one of continuous improvement, we reserve the right to modify designs without prior notice.

AW:: 1001043-4

- All models supplied complete with gel, latex free transducer belts, chart paper, user manual & quick start guide.
- Factory fit options are "build to order" and may have longer lead times than standard models.
- A wide range of consumables are available - contact your supplier for details.
- Regulatory restrictions in some markets may apply - contact your supplier for details.

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