



sonicaid®

**Team3**

WIRELESS TRANSDUCER SYSTEM

**HUNTLEIGH**  
A MEMBER OF THE ARJO FAMILY



## Sonicaid TEAM3 Wireless Transducer System

Designed specifically for use with our latest Sonicaid TEAM3 Series of fetal monitors<sup>1</sup> 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 maternal electrocardiogram (MECG)
- TOCO-E with fetal electrocardiogram (FECG)<sup>2</sup>



- 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.

# Maternal or Fetal?

Avoid confusion between fetal and maternal heart rates

Failure to monitor the fetal heart rate adequately by mistaking one heart rate for another, such as maternal heart rate for the fetal heart rate, is a common occurrence in external ultrasound fetal monitoring.

Fetal and maternal heart rates can often be within the same range making it difficult to distinguish the fetal heart rate from the maternal heart rate. This is particularly dangerous, as an abnormal fetal heart rate may go undetected.

Our integrated Fetal Cross Channel detection technology can help reduce the possibility of mistaking one fetal heart rate for another by continuously comparing the maternal and fetal heart rate(s); and differentiating one fetus from another using wireless maternal electrocardiogram (MECG) leads or SpO<sub>2</sub> finger sensor.

Our Visual and audible alarms together with printed indicators on the trace alert the user when the same heart rate is being recorded by different transducers, prompting the user to confirm the source of the fetal heart rate being monitored.

## Using wireless connectivity it is possible to monitor the maternal and fetal heart wherever mum might be.<sup>3</sup>

### Go where traditional transducers cannot

Eliminate cables between mum and the fetal monitor, giving total freedom for mum, whether in bed or sitting with a range of up to 110 meters.<sup>3</sup>

### Improves birthing experience

Offer's mum's the choice and flexibility to adopt active and upright birthing positions, thus increasing maternal satisfaction and leading to a more positive birth experience.

NICE recommends offering wireless telemetry to women who require continuous monitoring.<sup>4</sup>

### Easy to use

Easy dock transducers into any slot for fast charging (3.5hrs complete charging process), which provides continuous operation for over 17 hours.

### Continuous reassurance

Dual colour LED display on the transducers provides signal quality indicator to enable optimum position of the ultrasound transducers.

### Ergonomic and comfortable

Comfortable easy to use transducers with integrated belt clips ensure maximum convenience for mum.

### Twins compatible

Offers the ability to monitor up to two fetal heart rates externally using ultrasound and uterine activity using TOCO transducer.

The clinical sounds option allows you to listen to individual transducers fetal heart rates to enable optimal positioning of the transducers.



Provides continuous operation for over 17 hours

Range of up to 110 meters<sup>3</sup>



# Technical Specification

Base Station Battery	
Nominal Capacity	5000 mAh
Operating time	> 17 Hours (full new battery in ultrasound and TOCO transducers)
Nominal Voltage	14.8 V
Charging time	3.5 Hours
Cycle Life	>300 times
Base Station	
Weight	1.8 kg
Size	310mm x 235mm x 81mm
Transducer Battery	
Nominal Capacity	1600 mAh
Charge Current (Standard)	700 mA
Nominal Voltage	3.7 V
Charge Voltage (Standard)	(4.2±0.1) V
Operating time	>17h (full new battery used in transducer) >12h (full new battery used in TOCO-E transducer connected with FECG or MECG cable)
Cycle Life	≥ 500 times
US-T Transducer	
Weight	150 g
Size	Ø81 mm × 35 mm
TOCO-T Transducer & TOCO-E Transducer	
Weight	150 g
Size	Ø81 mm × 35 mm



**U/S:**  
Waterproof  
(IPX8) transducers



**TOCO-T:**  
Waterproof (IPX8)  
contractions transducer



**TOCO-E with MECG:**  
TOCO transducer with  
MECG cable<sup>5</sup>



**TOCO-E with FECG:**  
TOCO transducer with FECG  
legplate adapter cable<sup>5</sup>

## References:

1. Contact your local Huntleigh Representative for Team3 compatibility.
2. Only compatible with TYCO FECG reusable legplate adapter cable.
3. The range depends on the local conditions. The exact range of any telemetry system can only be determined by a field test.
4. The National Institute for Health and Care Excellence (NICE) Intrapartum care for healthy women and babies. Clinical guideline [CG190] Published: 03 December 2014 Last updated: 21 February 2017.
5. Cables included as standard with Toco-E configuration only.



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