

ultimate
simplicity

sonicaid™BD4000XS

Entry level fetal monitoring



HUNTLEIGH

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Designed to deliver cost effective solutions without compromising quality, precision, performance. Ideally suited for the antenatal monitoring environment the BD4000xs provides the most cost effective and flexible solution.



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High Sensitivity Transducers

Incorporating multi crystal high sensitive transducers; with a reduction in size are less obtrusive and provide added comfort during monitoring. The Toco transducer with its smooth surface reduces noticeable marks and enhances comfort. Both transducers incorporate a unique belt button design aiding transducer placement.

sonicaid Fetal Monitoring... *Performance for life*

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Wall Mount option

Ease of Use

Effortless to operate, with its Intuitive user interface and controls, requires minimum training, reducing time and cost.

- User-customisable trace annotation facility
- Automatic fetal movement detection
- Maternally sensed fetal movement marker

Clear Rate Display

The display comprises of a large LCD, back lit for low light clinical environments and 2 large LED clear rate displays. Clear visual display of FHR and contractions data and signal quality indicators



Unique no compromise full size twin FHR scale printing



No Compromise Traces

“Dual channel” A4 width Z-fold chart printout for unique optimum twins presentation on plain thermal paper for low cost, high accuracy printing (standard format paper can also be used)



User adjustable alarms

- Tachycardia
- Bradycardia
- Loss of Contact and Cross – channel rate verification alerts

Twins ready as standard

Twin fetal heart rate channels are included as standard together with an external UA and maternally sensed fetal movement marker



Connectivity

Interface to a digital CTG recording system “Centrale” or other CTG recording systems is available via RS232. This enables electronic data storage, reducing paper print-outs, giving even lower running costs and less environmental impact.



Technical Specifications: sonicaid BD4000XS Series

Ultrasound	
Technique	Directional Pulsed Doppler
Frequency	1.5MHz
Measurement Range FHR	50-210bpm
ISPTA (intensity)	<6mW/cm2
Rate Calculation	Autocorrelation
Uterine Activity External	
Range	0-100 (relative Units)
Sensitivity	100% FSD equivalent to 128g
Baseline	Base line set to +20%
Resolution	1 Relative Unit
Excitation voltage	5V
Fetal Movement Detection	User adjustable: Threshold range 0-99%
Alerts	
Tachycardia (High heart rate)	FHR threshold range 150 – 200bpm
Bradycardia (Low heart rate)	FHR threshold range 50 – 120bpm
Loss of Contact (Drop out)	% Loss of Contact 0 – 99
Display	
	7-Segment LED
	3 Channels (FHR I, FHR II, UC)
Printer	
Resolution	8 dots per mm
Print Head	128mm thick film
Paper	Plain thermal paper 2 size variants

Detailed technical specification available on request.

Power	
Rated AC supply voltage	110V/120V/220V/240V +/-10%
Supply frequency	50 – 60Hz
Power consumption	100VA max
Physical characteristics	
Weight	Approx. 4.5Kg (9.9lbs)
Dimensions	380 x 250 x 93mm (15 x 9.8 x 3.7)
Case material (main unit)	ABS Polycarbonate alloy
Power supply	100-250Vrms, 50/60Hz
Safety standards	
	IEC 60601-1
	CE marked to Medical Devices
Directive	
	IEC1157
Event Markers	
Patient Event Marker	Handheld push-button prints markers at base of FHR channel
Clinical Event Marker	Control panel push-button prints markers at top of FHR channel
Trace Annotation	
	10 user selectable clinical action messages - selected text printed after clinical event marker.
Data Interface	
	2 x RS232 ports (9 pin D-type on rear panel) provide: Service data interface Trace annotation message editing



Delivering greater performance – more sensitive probes than ever before. The Sonicaid HS range offers an unmatched combination of unique automatic noise reduction, acclaimed life like fetal heart sounds and unequalled sensitivity. This ensures the best possible detection of fetal heart sounds in early gestation and in mums with raised BMI's (Body Mass Index) than ever before.

HUNTLEIGH ...with people in mind

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Accessories/Consumables

Maximise your products potential by visiting www.huntleigh-diagnostics.com to see our approved accessories and consumables.



Easy to move, Easy to mount

With its compact design the monitor can be used as a desktop, wall mounted and or used with our latest fetal monitor trolleys. Carry cases can also be provided making this an ideal portable antepartum fetal monitor.

