



Ultimate
Simplicity

sonicaid® BD4000xs

ENTRY LEVEL FETAL MONITORING WITH CONNECTIVITY

HUNTLEIGH
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BD4000xs - Ultimate Simplicity

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.

BD4000xs - Ease of Use

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

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

Clear Rate Display

The display comprises 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.

High Sensitivity Transducers

Incorporating multi crystal high sensitivity transducer 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.



Wall Mount Option





Connectivity

Interface to our CTG Viewing and Archiving Software systems is available via RS232. This enables electronic data storage, reducing paper print-outs, giving even lower running costs and less environmental impact.



Full Size Twins FHR Scale Printing

No Compromise Traces

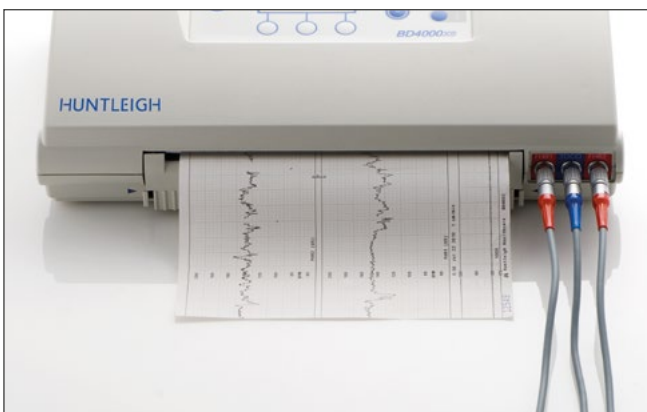
"Dual channel" A4 width Z-fold chart printout for unique optimum twins presentation on plain thermal paper for low cost, high accuracy printing (standard format paper can also be used).

Twins ready as standard

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

User adjustable alarms

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



Technical Specification

Product Features	
Ultrasound	
Technique	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

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
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 Interface to software systems (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 Digital Doppler range offers an unmatched combination of digital audio sound and advanced signal processing. 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. The unique trace view and storage capabilities make this range the most advanced in the world helping to deliver enhanced standards of care.



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.



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.

Manufactured and distributed by Huntleigh Healthcare Ltd.
35 Portmanmoor Road, Cardiff, CF24 5HN, United Kingdom
T: +44 (0)29 20485885 sales@huntleigh-diagnostics.co.uk
www.huntleigh-diagnostics.com

Registered No: 942245 England & Wales. Registered Office:
ArjoHuntleigh House, Houghton Hall Business Park, Houghton Regis, Bedfordshire, LU5 5XF
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