

Sonicaid BD4000XS

Entry Level Fetal Monitoring
with Connectivity

ARJOHUNTLEIGH
GETINGE GROUP



Ultimate **Simplicity**



BD4000xs – Ultimate Simplicity

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

High sensitivity transducers

Incorporating multi crystal high sensitivity 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.



BD4000xs – Ease of Use

Effortless to operate; with its intuitive user interface and controls, the BD4000xs requires minimum training, reducing time and cost.

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

Clear rate display

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



Connectivity

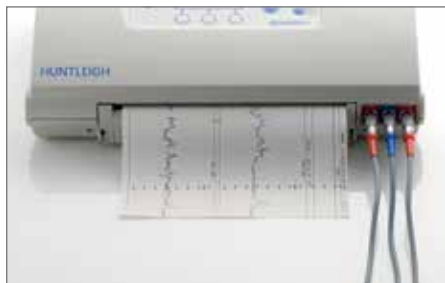
Interface with a digital CTG recording system via RS232 port. This enables electronic data storage; reducing paper print-outs, providing lower running costs and less environmental impact.



Full Size Twins FHR Scale Printing

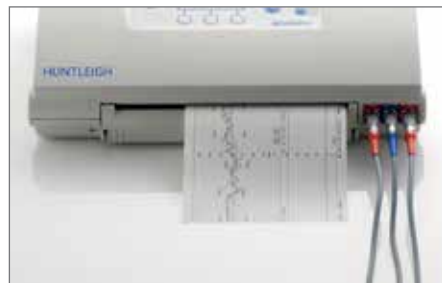
No compromise traces

“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



Wall mount option

Technical Specifications: Sonicaid BD4000XS Series

Product Features

Ultrasound	
Technique	Pulsed Doppler
Frequency	1.5 MHz
Measurement Range FHR	50-210 bpm
ISPTA (intensity)	<6mW/cm2
Rate Calculation	Autocorrelation
Uterine Activity External	
Range	0-100 (relative units)
Sensitivity	100% FSD equivalent to 128 g
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 – 200 bpm
Bradycardia (Low heart rate)	FHR threshold range 50 – 120 bpm
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	128 mm thick film
Paper	Plain thermal paper, 2 size variants

Easy to move, easy to mount

With its compact design the monitor can be used as a desktop, be 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.



Power	
Rated AC Supply Voltage	110 V/120V/220V/240V +/-10%
Supply Frequency	50 – 60 Hz
Power Consumption	100VA max
Physical characteristics	
Weight	Approx. 9.9 lbs (4.5Kg)
Dimensions	15 x 9.8 x 3.7" (380 x 250 x 93 mm)
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: <ul style="list-style-type: none"> • Service data interface • Trace annotation message editing

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ArjoHuntleigh is a world-leading provider of integrated products and solutions that improve the lives of patients and residents with reduced mobility. We help healthcare facilities deliver wellness and effective everyday care, early mobilization, safe patient handling, venous thromboembolism prevention, pressure injury prevention, hygiene routines, bariatric care and diagnostics. With extensive knowledge and experience, we strive to improve efficiency and ensure a safer and dignified environment for caregivers and their patients.