

A Multifunctional Fetal Monitor

The Analogic **FETALGARD Lite™** is an economical, battery-operated, portable, multifunctional, external fetal monitor with innovative communications features. Lightweight, rugged, and easy to use and carry, it is ideal for fetal monitoring in the office, clinic, and home.

- Unique NST Graticule Indicator
- Back-lit LCD Screen
- Trace Scroll
- Battery Operation
- Transducer-based Signal Indicator
- Single or Twins Ultrasound
- Programmable Alarms
- Advanced Patient Data Storage
- Easily Mounted on Roll Stand



Specifications – Monitor

Ultrasound

Technique

Pulsed Doppler with auto-correlation digital signal processing

Center Frequency: 1.024 MHz

Intensity: 2.5 mW/cm² typical

Heart Rate Range: 50-240 BPM

Leakage Current: <10 µA @ 264 VAC

Signal Indicator: Flashing LED with heart rate

Resolution: ±1 BPM

Uterine Activity

Range

Tocotonometer: 0-100 Relative Units

Resolution: 1 Relative Unit

Physical Characteristics

Dimensions: 18 cm H x 24.2 cm W x 13 cm D
(7 in. H x 9.5 in. W x 5 in. D)

Weight - Approximately 1.9 kg (4.5 lbs)

Power

Line Voltage: 100-120 VAC or 220-240 VAC

Line Frequency: 50/60 Hz

Power Consumption:

Battery operation 4 hours typical
at room temperature (25°C)

115 VAC ±10%, 50-60 Hz, 0.15A

230 VAC ±10%, 50-60 Hz, 0.08A

Display

Back-lit LCD Screen: 10.3 cm x 7.9 cm
(4.05 in. x 3 in.)

Options

Remote Marker

FETALGARD Lite Roll Stand

FETALGARD Lite Remote Viewing Program

Carrying Case

Specifications – Recorder

Recorder Drive Speeds

1, 2, and 3 cm/minute, 30 cm/minute (batch mode)

Heart Rate Scale

Chart Width:

USA – 7 cm

International – 8 cm

Scaling:

USA – 30 BPM/cm

International – 20 BPM/cm

Range:

USA – 30-240 BPM

International – 50-210 BPM

Resolution:

USA – 1 BPM

International – 1 BPM

Uterine Activity Scale

Width: 4 cm

Scaling (Tocotonometer): 25 Relative Units/cm

Resolution: 1 Relative Unit

Accuracy: $\pm 1\%$

Physical Characteristics

Dimensions - 11.5 cm H x 24.2 cm W x 20.4 cm D
(4.5 in. H x 9.5 in. W x 8 in. D)

Weight - Approximately 3.4 kg (7.5 lbs)

Power

Line Voltage: 100-120 VAC or 220-240 VAC

Line Frequency: 50/60Hz

Power Consumption:

115 VAC $\pm 10\%$, 50-60 Hz, 0.4A

230 VAC $\pm 10\%$, 50-60 Hz, 0.2A

Environmental Tolerances – Monitor & Recorder

Operating Temperature: $+10^{\circ}\text{C}$ to $+45^{\circ}\text{C}$ ($+50^{\circ}\text{F}$ to $+113^{\circ}\text{F}$)

Storage Temperature Range: -20°C to $+60^{\circ}\text{C}$

Relative Humidity: 20%-90% non-condensing

The FETALGARD Lite™ family of fetal monitors is designed to meet or exceed the following standards —

UL60601-1

CAN/CSA C22.2 No. 601.1.1-M90

IEC60601-1, IEC60601-1-1, IEC60601-1-2:2001 and

EN60601-1+A1, A2, A13

Specifications subject to change without notice.

Rx Only



The FETALGARD Lite Recorder provides quiet, standard and high-speed printing of high-resolution waveforms and alphanumeric, and is easy to load. When equipped with the optional FETALGARD Lite View Software, recording can also be accomplished via a PC to a printer.

The FETALGARD Lite monitor and recorder can easily be mounted on a wall or on the standard FETALGARD Lite Roll Stand, allowing flexibility of use and patient mobility.



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