

FMS-3

Fetal/Maternal Simulator

The FMS-3 Fetal/Maternal Simulator sets a new standard of performance and value in simulators for fetal monitors. Simply stated, the FMS-3 provides enhanced simulation capabilities, more simulation channels, additional functionality, and full 5-lead Maternal ECG simulation, all at a price that is considerably less than competitive models. It's unique features include three (3) channels of ultrasound simulation for detection and monitoring of "Triplets".

Features:

- Two (2) direct Fetal ECG's
- Five (5) full Maternal ECG leads
- Four (4) separate Fetal ECG tracings
- Three (3) Fetal ultrasound channels with "Triplets" capability
- Thirteen (13) Fetal static ECG rates
- Fifteen (15) trends of Fetal data representing real-life case studies
- Large easy-to-read display with backlight
- Easy to operate
- Remote Control via RS232
- Single 9-volt battery operation or use with an external AC power adapter for continuous simulation

At just 5.5" x 3.6" x 1.3" and weighing in at only 11.5 ounces, the FMS-3 is a feature-packed Fetal/Maternal simulator in one of the smallest and lightest weight physical packages available. It's smaller, lighter, and more cost effective than any other similarly-featured Fetal/Maternal simulator on today's market.



FMS-3

*Setting a new
performance standard
in Fetal/Maternal
simulation*

Innovation by design

FMS-3 – Performance Specifications

Fetal ECG:

- 2 direct Fetal ECG channels
- 1 combined Maternal/Fetal channel

Fetal 1:

- 3 Static ECG Rates: 30, 60, 80, 90, 100, 120, 140, 150, 160, 180, 200, 210, 240 BPM
- 6 Sensitivity Settings: 50, 100, 200, 500, 1000, 2000 μ V
- 24 Patterns: Normal, Tachy, Brady, Arrhythmia, Sine, Accelerations and Decelerations
- 8 Variability Settings
- 15 Trends of data representing real-life case studies
- 3 Performance Waveforms

Fetal 2:

- 6 Static ECG Rates: 60, 80, 100, 140, 160, 200 BPM
- 6 Sensitivity Settings: follows Maternal Settings
- 6 Patterns with variability

Optional Fetal Mechanical Heart:

Provides a mechanical interface to the fetal monitor's ultrasound transducer and can be connected to any of the three (3) ultrasound (US) channels.

Ultrasound Simulations:

- US-1 tracks Fetal1 ECG rates.
- US-2 tracks Fetal2 ECG rates or one of 6 Fetal2 Patterns
- US-3 tracks one of 6 Fetal 2 Patterns

Patterns:

- Acceleration: Wave #1, Wave #2, Compensatory
- Deceleration: Early, Late, Moderate Variability, Severe Variability #1, Severe Variability #2, Prolonged, Biphasic, Exaggerated, Non-uniform, Variability "U", Variability "V", Variability High Rate, Variability Post Exaggerated, Variability with Position Changes
- Sinusoidal: Large, Small

Maternal ECG:

Rates: Five (5) ECG leads @ 60, 80, 100, 120, 140, 160 BPM
Sensitivity: 0.5mV, 1 mV, 2 mV, 3 mV, 4 mV and 5 mV
Hi Level Output: 0.5V per 1 mV

Uterine/TOCO Activity:

Static levels: -5, 0, 20, 40, 60, 80, 100, 150 and 200 mm Hg
Waveform: 0 - 25, 0 - 40, 0 - 50, 0 - 60, 0 - 80, 0 - 100 mm Hg
Sensitivity: 5 or 40 μ V/V/mmHg

TOCO Simulations:

- Wave Duration: 40, 80, 90, 110 sec
- Respiration artifact: 3 rates plus variable
- Baseline wandering: 2 ^aPressure and 5 time settings
- Tocodynamometer
- Hypotonic Toco amplitude
- Picket Fence
- Coupling
- Tripling
- Irregularities
- Hypertonic
- Hypertonus
- 'V' Spikes
- Elevated Baselines

Physical Characteristics:

Size: 5.5" x 3.6" x 1.3" (14cm x 9.1cm x 3.4cm)
Weight: 11.5 oz. (0.33 kg)
Display: 128 x 64 Graphical LCD, backlit
Operating Temperature: 59°F to 95°F (15°C to 35°C)
Storage Temperature: 32°F to 122°F (0°C to 50°C)
RS-232 Control

Power:

Battery: single 9-volt alkaline battery
Battery eliminator for AC power (required when using optional Fetal Mechanical Heart)

Contact us for a full list of cables and other accessories for the FMS-3.

All specifications subject to change without notice.



130 - 4020 Viking Way, Richmond BC, Canada V6V 2L4
Phone: 604.291.7747 • Fax: 604.294.2355
Toll-free (North America only): 800.667.6557
Email: customerservice@datrend.com

© DATREND SYSTEMS INC. JULY 2014