COROMETRICS® 115 INTRAPARTUM FETAL MONITOR

- Designed for ECG and maternal uterine contraction monitoring.
- Simultaneous trends of beat-to-beat fetal heart rate (ECG) and uterine activity (UA) are plotted continuously on the built-in dual channel strip chart recorder.
- ECG data is continuously displayed on the front-panel
- Includes Toco and ultrasound transducers.

**Specifications**

**Direct ECG**
- Technique: peak detecting beat-to-beat cardiotachometer. Heart rate counting range: 30-240 BPM. Heart rate resolution: ±1 BPM. Artifact elimination: switch selectable ±25 BPM artifact rejection. Input signal range: 15 µV to 2mV peak to peak (fetal); 100 µV to 2mV peak to peak (maternal); 20 V max common mode. Input offset voltage range: ±300 mV DC max. Preamplifier bandwidth: 1 Hz to 100 Hz. Common mode rejection with patient cable: >120 dB balanced; >110 dB 5K RA or LA unbalanced. Input equivalent noise: <10 µV peak-to-peak. Input impedance common mode: >20 megohms. Notch filter mains frequency rejection: >40 dB. Leakage current: <10 µA at 117 VAC. Isolation mains to patient connections: >2 kV. Leg plate tester jack: simulator outputs 500 mV ±30% peak-to-peak R-wave 120 BPM ±1 BPM.

**Ultrasound**

**Phono**

**Pressure**
- Range strain gauge: 0-100 mmHg. Toco: 0-100 relative units (0-120 grams). Excitation voltage: +4.0 V DC. Input impedance differential: >1 M, common mode: >10 M. Resolution: 1 mmHg. Bandwidth: DC-1 Hz TOCO, DC-3 Hz IUP

**Recorder**
- **Heart Rate Scale**
  - Chart width: 7 cm or 8 cm. Scaling: 30 BPM/cm or 20 BPM/cm. Range: 30-240 BPM or 50-210 BPM. Resolution: 1 BPM.
- **Uterine Activity Scale**
  - Chart width: 4 cm. Scaling: 25 mmHg/cm (3.33 kPa/cm). Range: 0-100 mmHg. Resolution: 1 mmHg.
- **Chart Drive**
  - Speeds: 1 and 3 cm/min, 1 and 2 cm/min. Accuracy: ±1%
- **Power Requirements**
  - Voltage: 120 VAC. Frequency: 60 Hz. Power consumption: 100 watts max.
- **Dimensions**
  - Height: 6.9", 17.6 cm. Width: 16.5", 41.9 cm. Depth: 17.2", 43.7 cm.
- **Weight**
  - 37 lbs, 16.8 kg

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