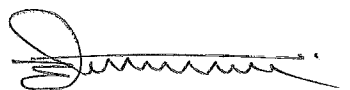


SPECIFICATIONS OF FETAL MONITOR

1. Continuous monitoring of FHR,
2. Toco and Maternally sensed fetal movements. both manually and automatically detected
3. should have facility of twin monitoring.
4. Graph on Thermal printer with the machine, Only Thermal Paper is required.
5. Display of FHR upto Twins FHR1 & FHR2 & TOCO on 10" or more TFT / LCD display.
6. Presentation in the form of a Graph on a Printer in condensed as well as expanded mode. (1div = 1 min or 3div = 1 min with 20 BPM per division).
7. Uterine contractions alarm. Alarm delay facility, so that alarm is available only if the alarming condition is persistent for preset time. TFT / LCD panel with ON-LINE user friendly alarms and patient data :
8. Actual FHR in BPM.
9. Blinking corresponding to each Beat.
10. UA in % Alarm message display High/ Low FHR limits.
11. Patient ID no. Memory Backup/Graphical or Tabular trend for minimum 24 hours with fast printing facility. Feather touch key operated volume control.
12. In-built/ **Separate Acoustic** Stimulator with a separate marker on the graph for acoustic stimulators.
13. Ultrasound transducer should be multi crystal wide beam pulsed Doppler with frequency of 1MHz.
14. Fetal Heart Rate - measurements Range : 50-220 BPM.
15. Signal Processing: Auto Correlation.
16. External toco transducer which should be a sealed waterproof unit. Guard ring designed to reduce maternal respiration artifact. Measurement Range : 0-100 Units
17. Event Market - Hand held, patient operated as well as front panel operated. Voltage - 230V A.C \pm 10%, 50 Hz.
18. Unit should be designed as per IEC-601 -1 (certificate to be submitted)
19. Unit should be CE marked and from ISO 13485 certified manufacturers (certificate to be submitted) should submit a test report from national or state Govt. approved laboratory.
20. List of spare parts and accessories to be supplied.
21. Should provide following accessories – Transducer belt, Belt buckles, Main cables, interconnecting cables, ultrasound gel bottles(10 No.), wheeled car for movement and storage.

Two Years Guarantee followed by 5 years CMC (Comprehensive Maintenance Contract)



Executive Director (EPM)
Rajasthan Medical Services Corporation Ltd.,
Jaipur

2