



Analytical Technologies Cardiotocography Machine



ATL 6116 CM

Specification:-

A. Description of Function Antepartum and Intrapartum foetal monitor (Cardiotocomachine) is used to monitor Foetus during antepartum period (before labour) or intrapartum period (birth process)"

B. Operational Requirements

The complete unit with printer and all accessories.

C. Technical Specifications

The monitor is provided with :

1. Battery and main operation facility
2. Inbuilt LCD / TFT Screen with tilt adjustment upto 90 degree with facilities to display on screen fetal heart tracings and toco tracings.
3. Compact, light weight and has inbuilt carrying handle and waterproof transducers.

The unit has :

- a) Foetal Heart Rate range 50 to 240 bpm
- b) External Toco range 0 to 127 relatives units
- c) NST timer for antepartum applications



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4. Highly sensitive ultra sound transducer which is 1.5 MHZ for less signal attenuation and good signal acquisition. Ultrasound transducer is a waterproof unit. Designed with Snap Clasp closure for easy application and cleaning. Facility to connect any transducer in any socket for easy use. Facility to switch between transducers when more than one transducer is used.
 5. Ability to give an accurate continuous trace and is able to detect sudden beat changes upto 25 bpm
 6. Audible alert indication of foetal bradycardia and tachycardia
 7. External tocotransducer which is a sealed waterproof unit. Guard ring designed to reduce maternal respiration artifact
 8. Patients event marker
 9. Capability of automatic foetal movement detector
 10. Digital numeric and text display along with audio signal of fetal movement has inbuilt keyboard entry screen for patient data entry, name etc. Minimum 5 hour memory of traces with fast printing
 11. Accessories – Transducer belts, Belt buckles, Main cables, interconnecting cables, ultrasound gel bottles
 12. Inbuilt high resolution thermal/Laser printer with easily available cost effective paper.
 13. Trolley with wheels with locking facility for mounting the unit on it with accessories for storage of transducers paper etc or the unit has the facility for wall mounting and a protective cover with cabinet.
 14. Facility for intra uterine pressure monitor.
 15. Facility to record fetal heart rate pattern through fetal ECG.
 16. Facility to monitor twins. Twin offset feature so that both fetal heart traces are clearly visible
 17. Facility of connection of central monitor system.
- D. System Configuration Accessories, spares and consumables
1. Machine supplied with paper roll with each unit.



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