

ECG Machine

1. Should have simultaneous 12 channel ECG acquisition
2. Should simultaneously display all 12 lead real-time ECG waveforms
3. Should have pictorial representation of placement of leads. And should indicate / alarm if any lead is not connected
4. Should be capable of producing Detailed Measurement & Interpretation of the acquired ECG.
5. Should have more than 8" or more Color LCD Touch screen.
6. The operation and entry should be user-friendly directly through virtual touch screen keyboard and can be operable on adults, paediatrics & Neonates.
7. Should have High Sampling rate of at least more than 30000 Samples/second
8. Should be light weight less than 1.5 kgs including rechargeable battery with backup of at least 4 hrs
9. Should have Internal Memory for storage of at least 300 ECG recordings
10. Should also be able to store ECG on PC in pdf format
11. Should have Pace maker detection facility.
12. Should have right chest leads
13. Should have optional program of culprit arteria criteria to detect probable site of occlusion
14. It should have an inbuilt thermal printer of atleast 110 mm with many different print formats like 3*4, 6*2, etc
15. The unit should have direct compatibility with Laser printer for direct printout
16. The unit should have both auto and manual mode for printing
17. The chart speed should be of 5, 10, 12.5, 25 & 50 mm/s
18. Should have Myogram filter, SSF filter, SBS filter
19. Should upgradable to Spirometry
20. Should transmit data through LAN, WLAN, etc.
21. Should be defibrillator protected
22. Should have safety standards as CF according to IEC 60601-1; IEC 60601-1, IEC 60601-1-2, IEC 60601-2-51, ANSI/AAMI EC11. IEC certificate for offered model should be submitted
23. Should be European CE approved.