

TECHNICAL SPECIFICATIONS FOR ECHOCARDIOGRAPHY MACHINE

(I) Echo System:-

1. Stand alone system integrated on a light weight mobile cart.
2. Color Doppler Echocardiography with all digital beam system to study the anatomical abnormalities and blood flow in the heart and associate vessels.
3. Latest generation Electronic Phased array Color Doppler system with minimum 512 Electronic independent channels.
4. 256 gray shades for sharp contrast resolutions.
5. 2D, M-mode, Anatomical M-mode, Color M-mode, PW and CW doppler, Steerable CW doppler.
6. High dynamic range of at least 200dB to pick up subtle echoes.
7. Three active ports.
8. Advanced tissue Harmonic Imaging.
9. Color flow imaging.
10. Color Tissue Doppler Imaging.
11. Gain control in Axial Plane.
12. Triple imaging possibility on the system.
13. PW/CW Doppler facility in all imaging phased array sector probes.
14. 15" or more high resolution TFT monitor with tilt and swivel facility and should be able to view in all angles and all light conditions.
15. Greater than 5000 images in the system hard disk drive.
16. Patient reporting page with embedded images.
17. Full functional measurement facility and calculation should be possible.
18. Unit should function with 200-240Vac, 50/60 Hz input power supply.

(II) Probes:-

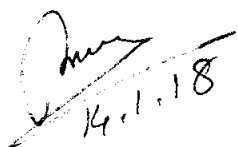
1. 2-4 Mhz broadband phased array sector probe for adult cardiac imaging.
2. 3-8 Mhz broadband phased array sector probe for paediatric and neonatal cardiac imaging.
3. 3-12 Mhz broadband Linear Array probe for vascular imaging.
4. 3.5-7.5 MHZ probe for Transesophageal Cardiac imaging.

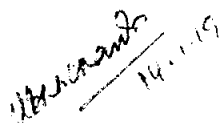
(III) Accessories:-

1. In built CD/DVD writer.
2. Supply with thermal printer and 6 packs of thermal paper and the unit should have option to connect external printer.
3. Unit should be supplied with suitable UPS with a minimum 30 minutes back-up time.

(IV) Warranty & Certification:-

1. Safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.
2. Five years warranty.


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