

SPECIFICATIONS OF B&W ULTRASOUND SYSTEM

Real time high resolution, ultrasound complete unit best for abdomen, obs /gynae, General use, small parts & peripheral vessels. Capable of high quality image, complying best and latest technology and should be future clinical needs.

1. Technical specification:

Ultrasound scanner with integrated trolley with probe, soft touch alphanumeric key board with track ball (size to be mentioned)

- With panel switches & control's easily operable
- Integrated High Resplution Monitor (15")
- Probes & Gel holder-conviniently placed
- Standard accessories, manual, catalogue of quoted model.

Following Transducers are to be supplied:

- A- 2.0-5.0 Mhz. Multi Frequency Convex Transducer. - One
- B- 5.0-12.0 Mhz. Multi Frequency Linear Transducer. - One
- C- 5.0-8.0 Mhz or more Endo Cavitary Probe - one.

2. Technical Data:

- All probes should be electronic transducers and multi frequency preferably three frequencies and should give Aperture & depths of scanning.
- Controls for Depth, gain compensation, body markers with transducers position.
- Real time Continuous dynamic focus.
- Auto Annotation facility anywhere on image.
- Image display in B,B/M&M Model (2B&2D)
- Zoom facility minimum five times or more.
- Shades for grey 256
- Inbuilt cine memory.
- Unite should be capable of measuring BPD, CRL, FL & AC and other GA parameters.
- Facility for image magnification, inversion, changing, scan, direction, freeze facility.
- 8 Step STC/TGC should be available.
- Frame rate minimum 50 FPS.
- Minimum 200 patient memories.
- Caliper with trackball for the measurement of distances circumferences, area volume etc. should be possible to make different measurement on single image.
- Alphanumeric key board.
- Panel Switches & foot controls.
- Patient reports for Obs / Gynae including fetal growth trend, including Histogram facility for tissue Texture & Trend graph for IUGR cases, Urology, and orthopedics.
- Give the gain adjustable/ Range & its steps.
- Calculations needed; Velocity, Heart rate, Volume addl. Modes.

3. The system should have the following Accessories:

- Sony / Fuji make B&W thermal printer with 50 rolls
- One KVA Online suitable UPS.

4. OTHER TERMS:

- There years complete guarantee for the entire system, probes and accessories, which should include service as well as parts.
- Guarantee will commence after complete and successful installation of the main equipment and all the supplied accessories.
- Comprehensive annual maintenance (Labour) for all supplied items to be quoted for next 7 years after expiry of 3 years guarantee period.
- An uptime of 98% is to be ensured during guarantee and CMC period.
- Unit must be USFDA/European CE approved.
- 1.5 Ton split AC should be supplied with machine with complete installation (Hitachi / O-general / DAIKIN / Mitsubishi)

Executive Director (EPM)

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