CONTEC™

Technical Specification

- Display mode: B, 2B, 4B, B/M, M
- Image gray scale: 256
- Monitor: 10.1 inch TFT LCD
- Display depth: 240 mm
- Zoom: 0.9, 1.0, 1.1, 1.2, 1.3, 1.5, 2.0
- Cine loop: 600 frames
- Image storage: 2048 frames
- Body mark: 43
- Focus: The number and position can be adjustable.
- Software: Obstetrics, gynaecology, cardiology, urology, small parts
- Assistant tool: Puncture guide and histogram
- Obstetrics, gynaecology, cardiology, small parts, urology etc. can generate reports automatically
- Measurement: Distance, circumference, area, volume, angle, ratio, slope etc.
- Support Chinese, English language interface display and input.
- The management interface menu, Chinese and English operating systems, image processing default and a key function of optimization.
- Measurement formula can be set up differently according to the different race.
- Character display: Date, time, name, hospital, number, frame rate, depth, gain, dynamic range, frame correlation, frequency etc.
- Image processing: Controllable frame correlation, gamma correction, histogram
- Image conversion: Up and down, left and right, black and white
- Tissue harmonic imaging
- Support USB storage
- Interface: USB, Video, VGA
- Dimension: 292 mm×232 mm×45 mm
- Weight: 1.8 kg

CONTEC™

CMS600P2
B-Ultrasound Diagnostic System

B-Ultrasound Diagnostic System/CMS600P2

Introductions

CMS600P2 is a full digital B-Ultrasound Diagnostic System. It adopts embedded operating system, which greatly optimizes the product performance. The system is taken more conveniently for its high effective data processing ability, pop-up menu and keyboard design. It includes rich measuring software packages that satisfy the clinic diagnostic need fully.

Features

- The system can be taken conveniently for notebook type, built-in battery, high integration of unit, small volume, light weight.
- Embedded operating system, neat and convenient image managing function which can print and export report.
- It adopts touch type folding keyboard, flexible and shortcut trackball operation, which greatly quicken the test speed.
- Many probes can be chosen, wide application can satisfy the clinic diagnostic need fully.
- Near gain, far gain and total gain can be adjustable alone.
- It adopts advanced full digital beam-forming, real time dynamic aperture, real time dynamic receiving apodization, real time dynamic receive focusing, frame correlation, modern image processing technology etc., which improves image quality.
- Possess external memory function.
- Can be connected to the video printer, inkjet printer, laserjet printer.

Standard Configuration Pieces

- Mainframe
- 3.5 MHz convex probe
- Power adapter
- Power supply cable
- Reticule
- User manual
- Battery

Optional Configuration Pieces

- 6.5 MHz transvaginal probe
- 7.5 MHz linear probe
- 3.5 MHz micro-convex probe
- Biopsy bracket

Software packages

- Obstetrics: BPD, CRL, GS, HC, AC, FL, APAD, TAD, FTA, HUMERUS, OFD, THD, TIBIA, ULNA ,AFI, LMP, BBT and FBP
- Cardiology: AOD, LAD, IVSTd, LVIDd, LAD/AOD, LVPWd, LVIDs, EF, EF SLP, CA/CE, MVCF, CO, CI, LVMWI, FS, ACV, ET, SV, SI, LVMW.
- Gynaecology: uterus radial line, intima thickness, ovary volume, dominant follicle, cervix major diameter, corpus cervix and so on.
- Urology: remnants samples of urine, prostate.
- Small parts: thyroid gland and hip joint.

* The device which adopts linux embedded operating system has well compatibility, transplantable character, and flexible expansibility.

* Ultrawideband dynamic frequency scanning technique can apply to different sufferers and inspection sites, so that can obtain appropriate resolution and ultrasound images.

* Real time dynamic receiving focusing technology: It realizes high-definition real time dynamic focusing, effectively improves degree of uniformity for far and near field pixel, and obviously improves organic fine analysis of rate.

* Real time dynamic receiving apodization technology: As the changes of strength for echo signal of different depth, it changes the width of acoustic beam real-time continuously, to ensure longitudinal uniformity of image.

* Tissue harmonic imaging technology: According to the strength of echo to select optimum harmonic frequency range automatically for imaging, to obtain the optimum ultrasound images which possess high definition and high penetrating power.

3.5 MHz convex probe   3.5 MHz micro-convex probe   7.5 MHz linear probe   6.5 MHz transvaginal probe