HY6000

Color Doppler Ultrrasonic Diagnostic System

Based on the advanced digital technology and ergonomic engineering design, the HY6000 integrates high quality 2D imaging and super color Doppler exams, which provides you the guaranteed outstanding image. Specially designed operating keyboard according to human-engineers science and smooth work-flow user interface, the Hy6000 has set a new and wide exam application for OB, vascular, cardiac, gynecology, small parts adn urology etc.Provides a articulated
LCD monitor arm, allows free movement and clerer operation.

- Imaging Modes
3D ,Color Doppler, Energy Doppler, Spectrum Doppler, M Mode,Dual Image Mode,Duplex, 3D & PW Doppler, Triplex, 3D, Color & PW Doppler
-2 Transducers can be connected electronically selectable
- Receiver Dynamic Range > 125dB
-Total Dynamic Range > 150dB
- Display Dynamic Range > 70dB
-Eight Transmit Focal Zones for high resolution throughout the image
-Continuous dynamic focusing on receive
- Center frequency range from 2.5MHz to 9MHz (band edge from 1.5MHz to 12MHz)
- Multi-frequency operation for all probes
- Slide pot TGC controls
-- Control Panel and User Interface
Ergonomic control panel with controls organized by mode
Alphanumeric QWERTY keyboard
Trackball with Set and Esc keys
Integrated stereo speakers
3D image controls: Power, Gain, TGC, Depth, Focus, Magnify, Zoom, Dual, Orientation
Image Enhancement: Dynamic Range, Persistence, Gray Scale maps, Edge Enhancement
Doppler controls: Angle/Steer (linear arrays), PRF (velocity range), Angle Correction,

Baseline Shift, Gain ,Power
Color controls: Velocity mode, Power Mode, Color priority, Color frame rate, Color maps, Color persistence
Patient data entry
Image Acquisition: Cine review, Image storage, Cine storage
Image and Report retrieval
Image Annotation
Cine Loop:
- Stores up to 256 frames of B & W or Color images (with optional 512MB memory, 128 frames standard)
- Trackball control of frame-by-frame image selection
- Controls for cine play back
- Controls for trimming
- Cine loops can be saved and retrieved as part of patient record
Measurement capability in B Mode:
- Distance
- Area by ellipse
- Area by trace
- Curve length
- Volume (required two images)
- Angle
- Text entry and editing
- Pre-programmed vocabulary (user definable)
- Arrows and pointers
- Body marks that cover many applications and orientations
-- M Mode
-- PW Doppler
-- Color Doppler Imaging
-- Power Doppler Imaging
-- Calculation Packages
-- Obstetrics Measurements
-- Cardiac Measurements
-- Vascular Measurements
-- Focusing
Transmitting focusing （8 ranges）, receiving continuous fousing
-- Display Prameter
Acoustic power, total gain, dynamic range, TGC curve, gain of Doppler, pulse repetition frequency, wall-filtering ratio.
-- Image Process
Colorful map, frame average processing, angle adjustment and wall filter
-- Gray 256
-- Image Storage
Storage and playback of 128 continuous image
-- Image Output
Output to floppy disk, USB and color video printer
-- Standard Configuration
Main unit,15”RGB color monitor,3.5MHz 60R65D multi-frequency convex probe
7.8MHz38L multi-frequency linear probe,6 USB ports, DVD-RW, 2 probe connectors
-- Option
3.3MHz72D20R multi-frequency convex probe
7.0MHz14D10R multi-frequency convex probe
Color video printer
3D, DICOM3.0, 3rd probe connector