



Diagnostic Ultrasound System MODEL: PROSOUND 6



prosound 6

- The specifications, shape and color of this product are subject to change without notice.
- The standard components and optional items vary depending on the country.



We strive to provide quality products and services for our customers.

We operate with regard for the environment.

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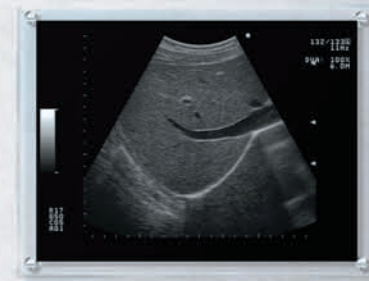


Exceptional Image Quality beyond the Class

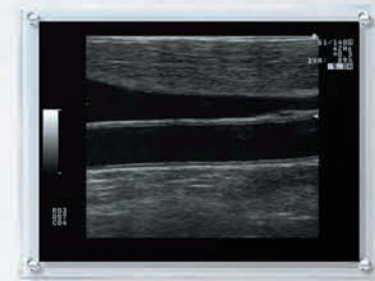
Backed by the proven technologies of the ProSound series which are reputed for excellent image quality, the ProSound 6 supports high-level echo examination setting the new standard in its class. The system is slim enough for use in a limited space, such as an outpatient consulting room, an examination room, the bedside in the ward, an operating room, etc. In addition, the ergonomic design and simple operation assist efficient examination.

Full Digital System with Priority Given to Image Quality

- Extended Pure Harmonic Detection (ExPHD)
Reduces artifacts caused by multiple echoes and side lobes.
- Adaptive Image Processing (AIP)
Reduces speckle noises without sacrificing the frame rate.
- Edge Enhancement function
Emphasizes the edges of tissues for clear images.



Flexible high-resolution LCD monitor



Improved Workflow Efficiency

- USB memory port
- DICOM compatible

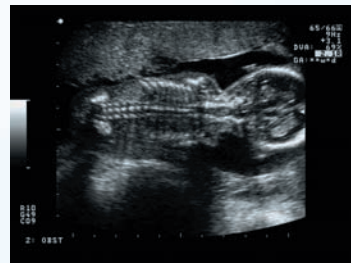
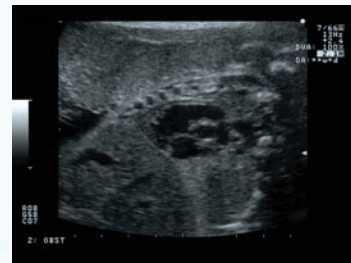
Diverse Specialty Probes

Ergonomic Design and Simple Operation



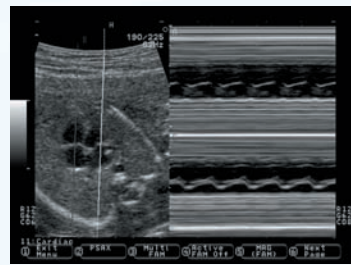
OB/GYN

prosound



Free Angular M-mode (FAM)

Up to three M-mode cursors can be displayed at the same time and it is possible to move and rotate them to efficiently and accurately examine the heart function irrespective of the direction and position of the fetus. (FAM is available in freeze mode.)



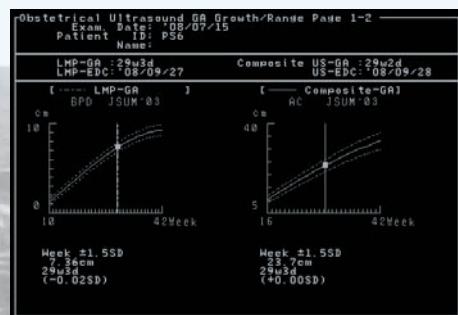
Transvaginal Probes

The transvaginal probes provide a wide field of view and are easy to handle.



Obstetrics Report

The measurement results are automatically stored in the system as patient information. The historical data of a fetus are plotted on the growth trend graph for observation in the next examination. Growth of a fetus can be seen at a glance, facilitating observation over time. Follicle measurement for fertility treatments can also be displayed in the report.



*Optional transvaginal probe holder is available.

Abdomen



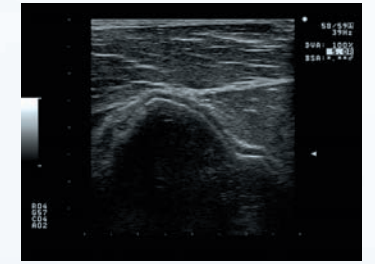
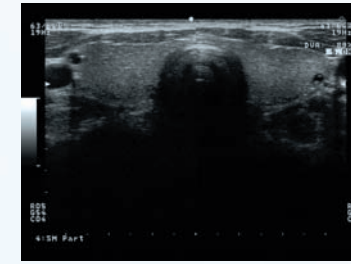
Microconvex Probe



The probe is thin and ideal for intercostals biopsy. The blind zone is minimized, and a biopsy needle can be inserted almost vertically (5 degrees) and at 25 degrees.

Small Parts/Musculoskeletal

The probe with a wide field of view of 50mm supports efficient examination. A wider image can be made by connecting the images on the 2-split screen.



Urology

Four kinds of template grids for brachytherapy are available by connecting the transrectal biplane probe.



Transrectal biopsy probe



Transrectal biplane probe (Linear and convex sector)



Brachytherapy grid display

Intraoperative

The finger-grip type intraoperative probe is directly applied to the organ by pinching it between the fingers.



Finger-grip type



Finger-grip type



End-fire convex sector type



Side-fire linear



Flexible laparoscopic probe

Clear Images through the Latest Technologies

● Extended Pure Harmonic Detection (ExPHD)

Harmonic Echo™ generates images with reduced artifacts and near-field multiple echoes taking advantage of the second harmonics. The ExPHD offers Harmonic Echo images of higher sensitivity and resolution thanks to the low-distortion transmission waveforms.



ExPHD: OFF



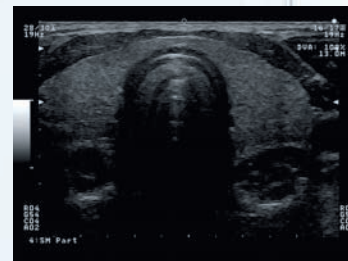
ExPHD: ON

● Adaptive Image Processing (AIP)

The AIP reduces speckle noises without sacrificing the frame rate, and clarifies the difference of tissues. It also selectively enhances the boundaries of tissues to display clear outlines.



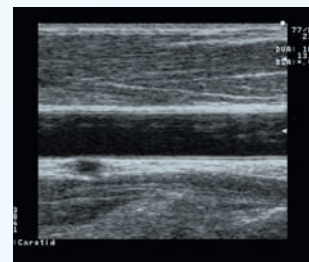
AIP: OFF



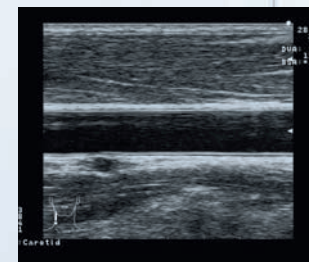
AIP: ON

● Edge Enhancement function

This function enhances the edges of tissues. Images of the intimas and pericardia, in particular, appear smoothly connected.



Soft image setting



Hard image setting

● Wideband Super High Density (W-SHD) Probe

The system is compatible with the W-SHD probes that have been originally developed for higher models.

- Micro-fine cutting reduces generation of side lobe artifacts.
- Transducer elements with multi matching layer offer a wider frequency bandwidth.
- Impedance matching technology increases dynamic range and S/N ratio.



Streamline Your Work Flow

Data Management with Multiple Media

— For smooth retrieval of the past data

Patient information and ultrasound images are retrieved quickly by entering the patient ID or name.

- A USB memory port is equipped as standard.



- The data can be stored also on the external CD-R drive unit.



Connectable with DICOM network

— Compatible with work list management

The system is compatible with DICOM 3.0 standard. The patient data and image data can be transmitted to the file server in the network. Worklist management enables acquisition of the patient information and reservation information from the host computer. It is no longer necessary to re-enter the patient information on the system, so data entry errors are eliminated.



User-friendly Ergonomic Design

Ease of use is the key in the design.

- The LCD monitor can be height-adjusted either independently or together with the control panel. The optimum position for examining the patient is easily achieved. The monitor can be turned to the right and left lightly.
- The system is compact and highly mobile. It can be easily transported and placed in a small space.

