

Dimension and accessories



Specifications

Scanning Method	Linear /Convex Electronic Scan	
Display Mode	B, B/B, B/M, M, B/Z	
Range	0 to 2-24 cm (1cm step)	
3.5MHz	0 to 2-16 cm (1cm step)	
More than 5MHz	Full Digital Method	
Beam Focus Method	4 Stages Dynamic Transmission Focus Dynamic Receiving Focus	
Ultrasound Frequency Rate	2.8 to 11.0 MHz	
Display Monitor	8.4 inch Color Liquid Crystal Wide range viewing angle (Horizontal: 170° Vertical: 170°)	
Image Display	Up/Down, Left/Right	
Image Adjustment	B-Gain, M-Gain 36 to 100dB 1dB step Dynamic Range 35 to 95dB 10dB step (1dB adjustable) STC 5 styles Acoustic Power 20% to 100% (10% step) γ correction 5 types H-res (Image Enhancement) Soft: OFF and 4 level Edge: OFF and 3 level	
	Sweep Speed 5 steps	
Cine Memory	255 frames	
Measurement Function	Distance, Circumference, Area, Volume, Hip Joint, Histogram, Pregnancy Week, Velocity, LV Calculation	
Character Display	Hospital Name (40), Patient Name (30), ID (26), Age, Sex, DOB, Date, Time, Probe Type, Range, Gain, Acoustic Power, Frequency, Dynamic Range, Gamma, H-res, Gray Scale, Focus Information	
Probe Connector	1	
Dimension	220mm(W) × 69mm(D) × 308mm(H)	
Net Weight	3kg approx. (Excluding Probe)	
Power Source	AC Adapter 100V to 240V 50/60Hz 63VA Battery 14.8V 5000mAh	
Data Storage	Still Image (JPEG) Internal (100 image max) / External USB memory Still Image (DICOM) External USB memory Moving Image (AVI) External USB memory	
Probes	Linear Probe 11.0/8.5/6.0MHz 40mm HLS-884M Micro Convex Probe 9.0/7.5/5.0MHz 12R HCS-8712M Convex Probe 5.0/3.5/2.8MHz 60R HCS-736M Transvaginal probe 9.0/7.5/5.0MHz 10R HCS-7710MV T-Shaped probe 11.0/8.5/6.0MHz 15mm + 25mm HLS-882MT	
Accessories	Shoulder Belt, AC Adapter and Power Cord, Battery Charger, Battery Pack, Ultrasound Gel	

HONDA ELECTRONICS CO.,LTD.

DIAGNOSTIC SCANNER

Convex/Linear Ultrasonic System

HS-1600

Our unique technology is the product of our originality and continual pursuance of achieving high quality. It is also our purpose to contribute in ways that will enhance society.



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Attention

- Contents of this catalog are as of November, 01, 2015.
- The specification and appearance are subject to change without notice for improvement.
- Actual colors of products and colors of this catalog may a little different cause of printing.



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〈Contact〉

For human practice

Advanced technology and excellent image

Quality embodied in stylish unit



JAPAN

2015.11.01

DIAGNOSTIC SCANNER HS-1600

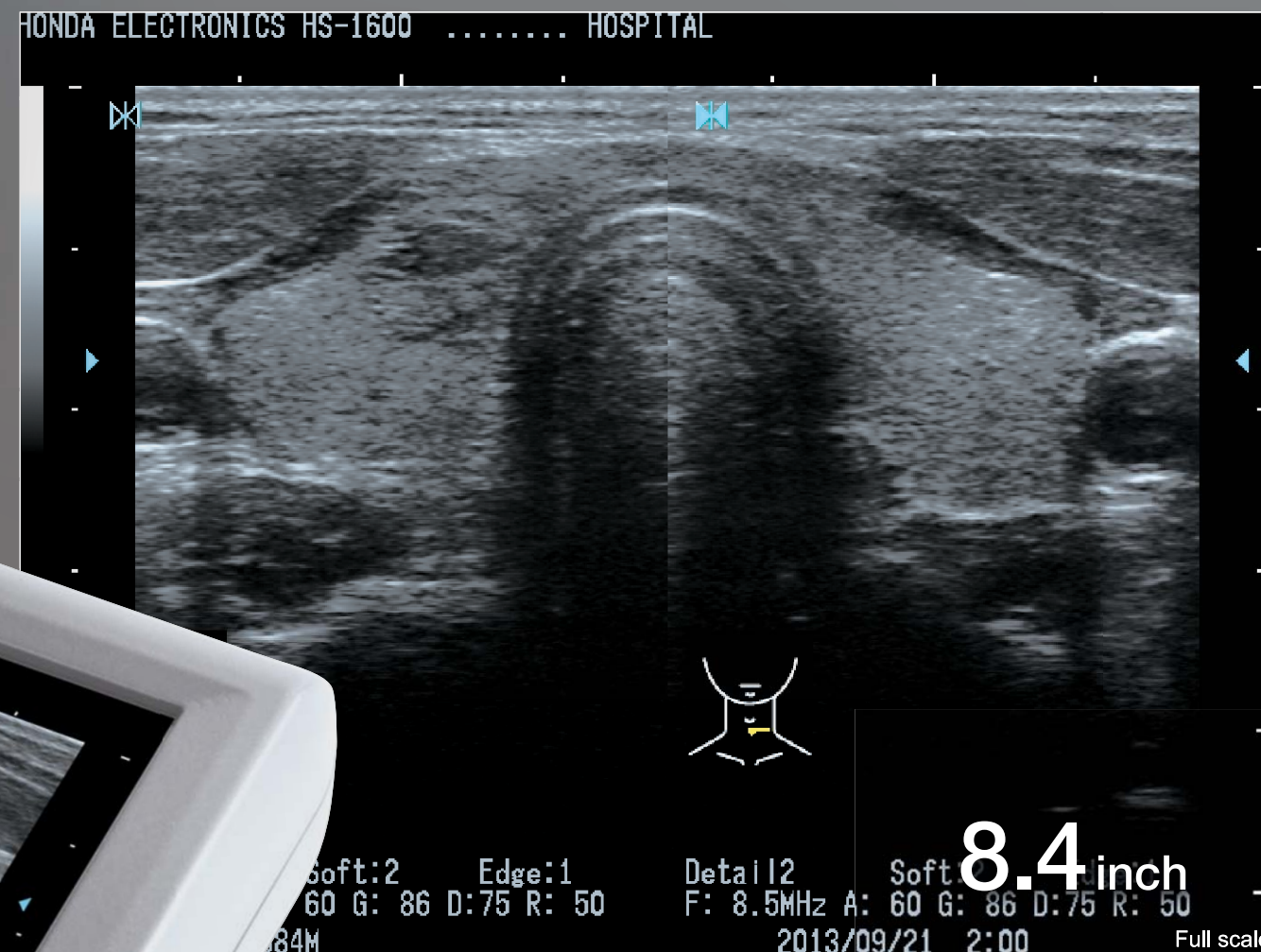
Ultrasound Diagnostic Scanner

Easy to carry light compact body of approximately 3kg,
and reduce user's physical strains during scanning in house visit and outdoors.

- Compact body, easy to carry
- Highest image quality by H-res technology
- Both battery and AC power usable
- High performance LCD usable in outdoors
- Easy key operation
- Variety of measurement functions
- Easy operation of image storage
- Convenient shoulder belt



**Mobile body without compromise
Image quality enables proper diagnosis**



8.4 inch

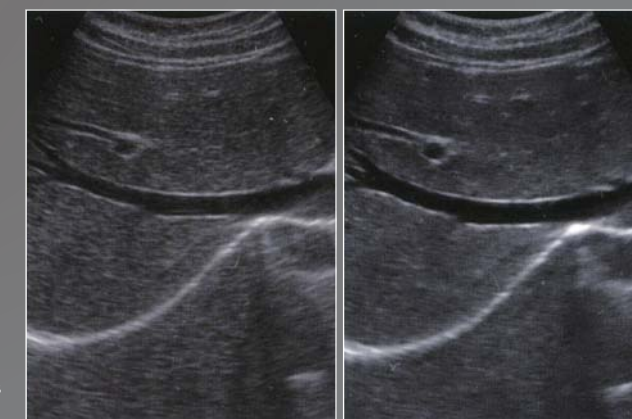
Excellent ultrasound images

Mobile body with highest image quality of
ultrasound diagnostic that representing scanning
region in detail.



Our original image enhancement technology H-res (Our Resolution Technology)

Advanced image enhancement technology,
"H-res", brings perfect solution for visibility.
Detail 1 realizes good resolution in deeper
organs. Detail 2 visualizes delicate tissue
structure in shallower region. Detail 3
visualizes bones for observation. Mild reduces
the image enhancement effect. You can also
turn it OFF to have direct ultrasound image.



H-res-OFF

H-res-ON

Mobility & High Quality

Compact body, easy to carry

Easy to carry light compact body of approximately 3kg and reduce user's physical strains during scanning in house call and outdoors.

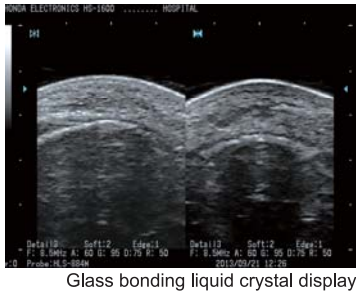


Both battery and AC power usable

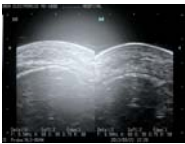
Integrated high performance lithium ion battery in the body realizes 3 hours use in the place without power supply. Equipped report function of battery lasting time makes battery sign lights to inform when lasting time becomes short.

Usable in any places

High luminance liquid crystal display with glass bonding treatment enhances visibility, diagnosis images are clearly projected even under the direct sunlight. Liquid crystal display gets no fogged even when temperatures and humidity varies rapidly.



Glass bonding liquid crystal display



Conventional liquid crystal display

*Sample image of under the direct sunlight

Wide range of 170°viewing angle

Wide viewing angle liquid crystal display has 170°angle in horizontal and vertical. It made free angle diagnosis possible in limited operating environments.



Variety Probe

Broadening diagnosis applications by clear ultrasound images
Wide range of probe selection

Convex



HCS-736M
5.0/3.5/2.8MHz

Linear



HLS-884M
11.0/8.5/6.0MHz

Micro-convex



HCS-8712M
9.0/7.5/5.0MHz

Transvaginal



HCS-7710MV
9.0/7.5/5.0MHz

T-Shaped



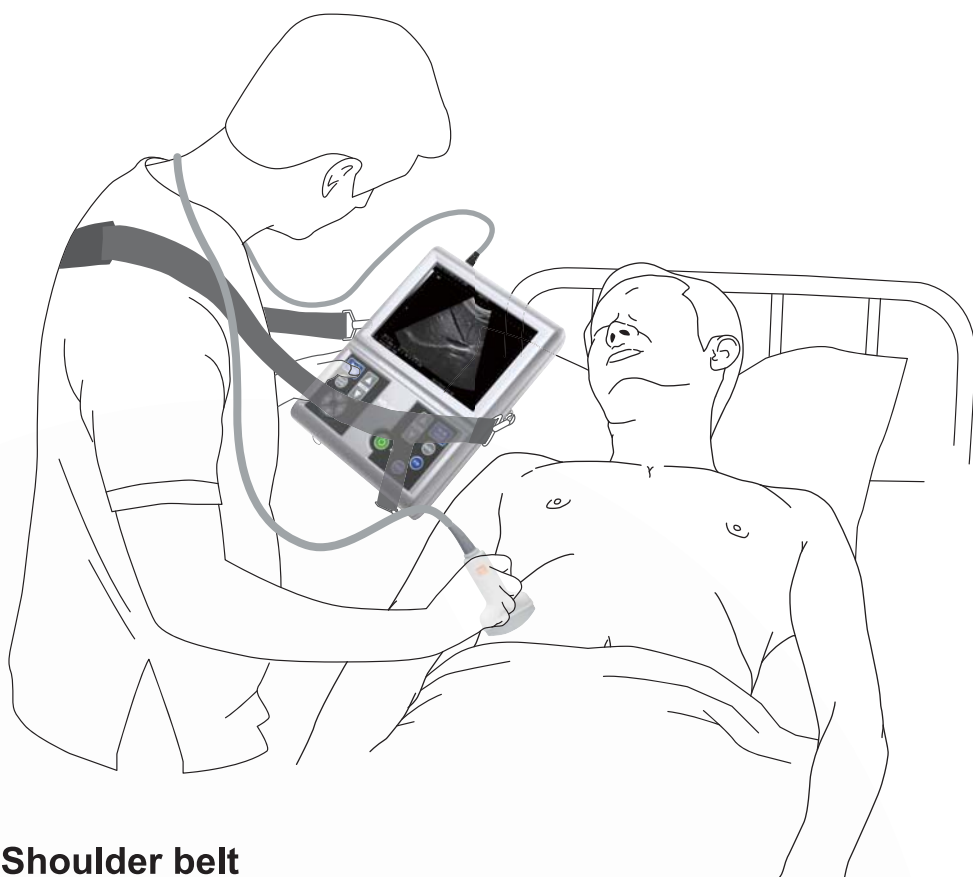
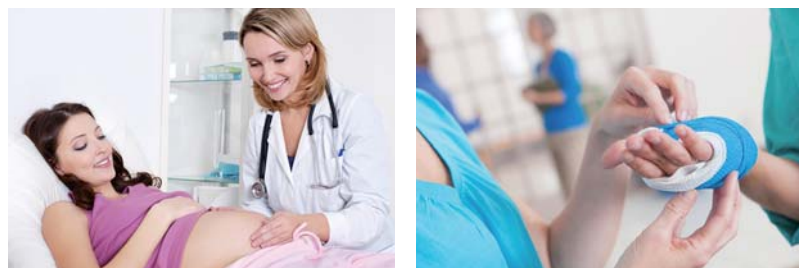
HLS-882MT
11.0/8.5/6.0MHz

NEW

15mm
+
25mm



Mobility & High Functionality



Shoulder belt

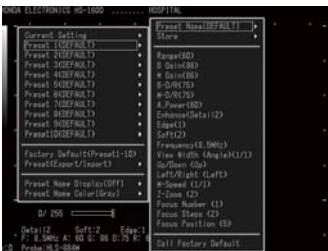
Easy to use

Both hands are freely usable when the system is held by shoulder belt.
Reduce physical strains during long time operation.

Pursuing high performance and user-friendliness
Expanding scanning possibilities by various functions

Preset register

Favorite presetting can be registered simply and recalled easily.



Measurement functions

Scanning images and measurement result can be stored under the database with easy operation.

Body mark

* Sample pictures

Variety of body marks are prepared to support various diagnostic scenes.



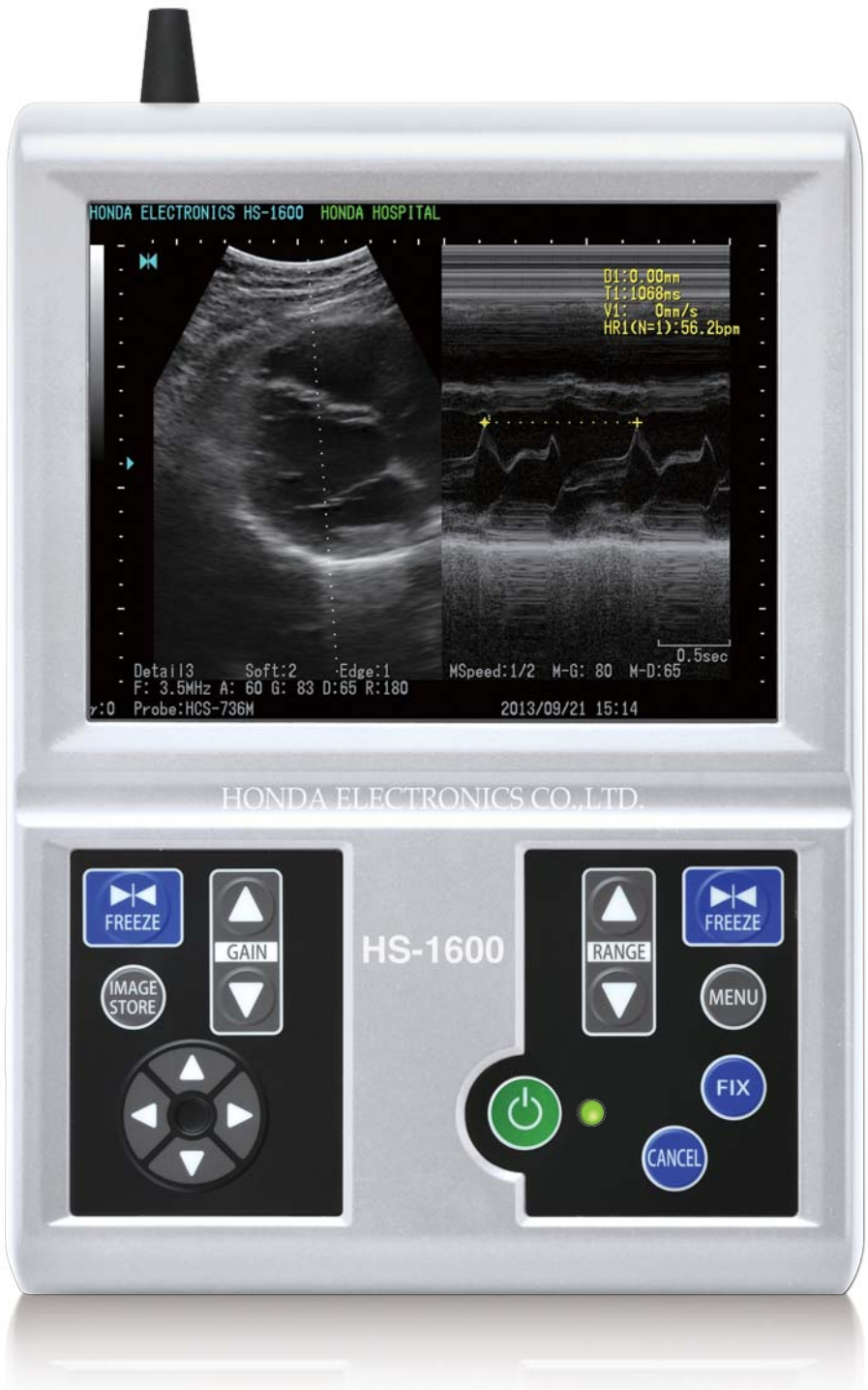
USB



Movie file and still image can be stored to the USB memory and accessed in personal computers. Approx. 100 images are stored in the system memory.

Variety of setting menu

Variety of measurement functions —distance, area and volume— are employed focusing on obstetrics measurement. It has ultrasound scanning mode, B, B/B, B/M, M, B/Z.



Clear and finest ultrasound image and wide view angle

Introducing glass bonding liquid crystal display.
LCD and cover glass are bonded by a special technique and no air layer in between; it leads high visibility and prevents condensation.

Simple operation

Minimum number of operation buttons or keys made interface simpler, easily operated.



Simple operation of image storage

Diagnostic images are easily stored in system memory and USB memory. Saved images in USB memory are accessible by personal computer. Saved images can be administrated in hospitals as diagnostic record.

Main applications

- OB/GYN diagnosis
- Abdominal diagnosis
- Thyroid, Accessory thyroid, Carotid, and Cervical vein diagnosis
- Musculoskeletal diagnosis
- Diagnosis by house visit
- Brief measurement in the emergency vehicle



Made in Japan

This product is assembled in Japan. We produce even the ultrasound sensor ceramics in its own factory.