

# Honda HS-2000 Portable Ultrasound Scanner

**Manufacturer: Honda Electronics**  
**Model: HS-2000 Ultrasound System**



## Summary:

The Honda HS-2000 portable ultrasound scanner is a truly compact yet attractive system: featuring outstanding technology that will enable the user to fulfil the present and future requirements for diagnosis within the ultrasound field.

A powerful portable system able to run a range of Linear, Convex and Microconvex probes. Excellent Image quality coupled with Image storage, comprehensive software and multi-frequency probes make this a very popular ultrasound system.

## SPECIFICATIONS

### Scanning Method

- Linear / Convex / Microconvex electronic scan

### Display Mode

- B mode (single)
- B/B mode (double)
- B/M mode (4 step sweep speed selection on M mode)

### Monitor

- 9 inch B/W monitor
- 256 greyscales

### Range

- 3.5MHz  
24cm, 18cm, 15cm, 12cm, 9cm  
6cm
- 5.0, 7.5, 10.0 and 12.5MHz  
16cm, 12cm, 10cm, 8cm, 6cm,  
4cm

### Focusing Method

- Transmitter  
4-stage dynamic focus

- Receiver  
Real-time dynamic focus

### Image Adjustment

- Dynamic range  
from 35 to 95 with 10dB step  
selection
- B-gain, M-gain  
36-100dB variable by rotary  
encoders (1dB step)
- STC  
6 step sliding volume on adjusted  
depth levels

### Image Processing

- Frame correlation  
On (2-step) / off selection
- Line correlation  
On (2-step) / off selection
- Grey curve selection

### Image Display

- Image direction  
Reverse (Left/Right), Up/Down
- Shift  
1cm step (max. depth 18cm)
- Cine Memory: 41 frames

### Image Store

- Flash memory (60 images)

### Image Functions

- Hospital name (32 char.)
- Patient name & ID No. (26 char. / 1000 patients)
- Age
- Date and Time
- Probe type
- Image direction
- Range

### Measurement Function

- Distance
- Circumference, Area
- Volume
- Angle
- Gestational weeks calculation
- Histogram
- LV calculation
- User programmable tables

### Interface

- Video output  
Two channel
- Video input  
One channel
- RS-232 port

### Dimensions

- Approx. 298(W) x 380(D) x 300(H)  
(keyboard closed)
- 298(W) x 580(D) x 300(H)  
(keyboard open)

### Weight

- Approx. 12kg

### Power Source

- 100V-240V AC 50/60Hz

### Probe Connector

- 2 (selected by keyboard)

### Probes

- HCS-436M 2.8/3.5/5.0MHz 60R Convex Probe
- HCS-454 5.0MHz 40R Convex Probe
- HCS-452M 3.0/5.0/7.0MHz 20R Microconvex Probe
- HCS-4710MV 5.0/7.5/9.0MHz 10R Microconvex Transvaginal Probe
- HCS-4710M 5.0/7.5/9.0MHz 10R Microconvex Probe
- HLS-438M 2.8/3.5/5.0MHz 80mm Linear Probe
- HLS-455 5.0Mhz 50mm Linear Probe
- HLS-475M 5.0/7.5/10MHz 50mm Linear Probe
- HLS-413M 7.5/10/12.5MHz 30mm Linear Probe
- HLS-455R 5.0/7.5/10MHz 50mm Transrectal Probe

### Options

- Video printer
- Image utility software to allow the transfer of stored JPEG images
- Foot switch
- Biopsy guides
- Trolley
- External monitor
- Padded carry bag
- Stand-offs

*\*The specification is subject to change without notice*