

DIMENSIONS



DIAGNOSTIC SCANNER
Linear Ultrasonic System
HS-103V



6.5 inch



Introduction video



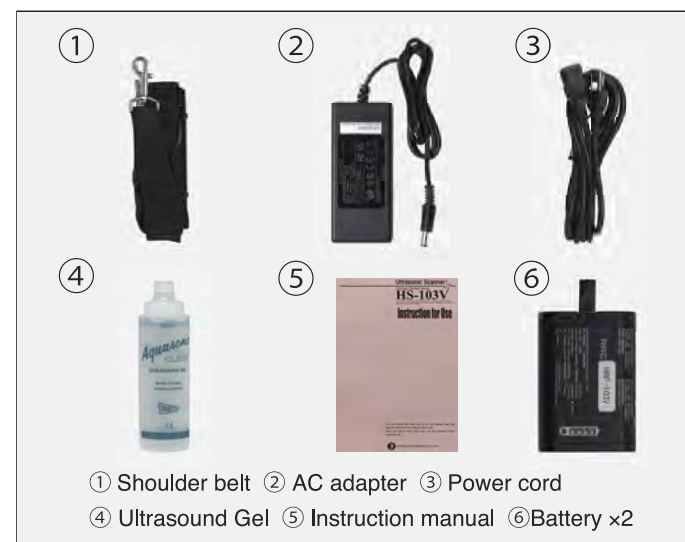
Video manual

LCD Brightness
1000 cd/m²

SPECIFICATIONS

| | |
|----------------------------------|---|
| Channel | 96 channels |
| Display Monitor | 6.5 inch (640 x 480 VGA) |
| Display Mode | B-mode |
| Doppler | CFM (Color Flow Mapping), PD (Power Doppler) |
| Range | HCS-236M : 2 cm ~ 24 cm (1 cm step) HLV-275M : 2 cm ~ 16 cm (1 cm step) |
| Ultrasound Frequency Rate | 3.5 to 10.0 MHz |
| Acoustic Power | 20 to 100% (10% step) |
| Image Adjustment | B-Gain : 36 to 100 dB (1 dB step) B Dynamic Range : 35 to 95 dB (1 dB step) Doppler-gain : 35 to 100 (5 step) Doppler Speed Range : 1/2, 1, 2, 4, 8, 16 γcorrection : 2 types H-res : OFF, Detail1, Detail2, (Image Enhancement) Detail3, Mild, Resolution Penetration, Clarity, Boundary, Anatomy Soft : Off, 1 ~ 4 levels Edge : Off, 1 ~ 3 levels |
| Measurement Functions | Distance, Circumference, Histogram, Cattle Pregnancy weeks (CRL) |
| Data Storage | Still Image (JPEG) : Internal 200 image max Movie Image(AVI) : Internal 10 image max |
| External I/O | DVI port, USB port |
| IPX | IPX1 |
| Power Source | DC 10.8 V |
| Dimension | 184 mm(W) x 260 mm(H) x 60 mm(D) |
| Net Weight | 1.8 kg (Including Probe, Battery and Shoulder belt) |
| Probes | Convex Probe (5.0 / 3.5 / 2.8 MHz 60R) HCS-236M Linear Probe (Rectal) 10.0 / 7.5 / 5.0 MHz 50 mm HLV-275M |

ACCESSORIES



① Shoulder belt ② AC adapter ③ Power cord
 ④ Ultrasound Gel ⑤ Instruction manual ⑥ Battery x2

OPTIONS



Only for HLV-275M

Attention
 •Contents of this catalog are as of May 21, 2024
 •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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May 21, 2024



MADE IN JAPAN



Ultrasound Imaging Device for Veterinary Use

HS-103V

Features

1. LCD Screen Bonding Technology
2. Battery powered
3. Doppler functions
4. Cine-loop functions
5. Measurement functions



Multi frequency / High Density (HD) probe

Unique probe developed by Honda Research Team. Three frequencies can be independently selected according to the depth of the diagnosis site.



Probe : HLV-275M
Frequency : 10.0 / 7.5 / 5.0 MHz
Width : 50 mm
Length of cable : 1.8 m

Probe : HCS-236M
Frequency : 5.0 / 3.5 / 2.8 MHz
Radius : 60 R
Length of cable: 1.2 m



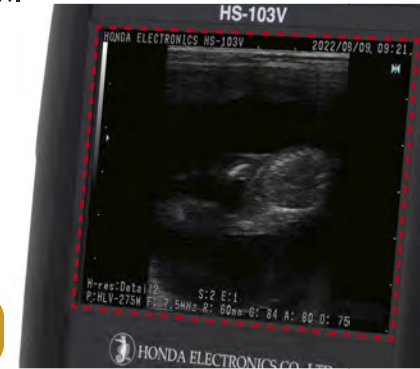
* Specified probe is hardwired to units. (no probe connector)

1 LCD Screen Bonding Technology



Enhanced image brightness and LCD Screen Bonding improve visibility and prevent screen condensation.

LCD Brightness
1000 cd/m²



2 Battery powered

Battery provides approximately 3 hours of continuous operation. An LED confirms the remaining battery charge level.



Battery level display

Terminal area



Connect the AC adapter to the main unit to charge the battery.

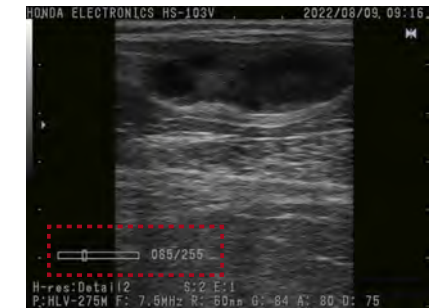
3 Doppler functions

Color Flow Mapping (CFM) and Power Doppler (PD) functions allow observation of blood flow around the corpus luteum (CL) as well as other patient anatomical organs.



4 Cine-loop functions

Up to 255 frames can be played back. Images can be saved according to the optimum frames.



5 Measurement functions

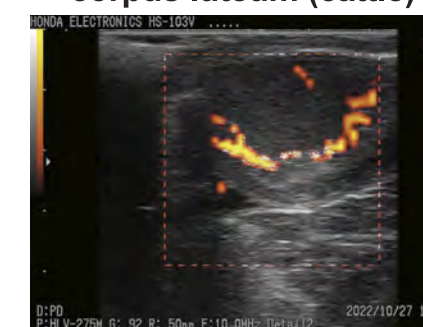
The size of the fetus and corpus luteum can be measured.



Pregnancy image (cattle)



Blood flow image for corpus luteum (cattle)



Pregnancy image (sow) 20 days

