

ECHOSON

ultrasound scanner **DESMIN F**



DESMIN F

technical specification

FEATURES

- general purpose diagnostic ultrasound system
- display modes:
 - B, B+B, 4B, B+M, M, ZOOM
- scanning method:
 - electronic linear / convex / microconvex, sector
- image memory: 512 x 512 x 8
- gray scale: 256 levels
- cineloop (256 frames/screen)
- extended / elongated focusing zone
- multifocus (4 foc. points)
- scan depth: 2 ... 25 cm
- scanning rate: max. 25 frames / sec (automatically optimized)
- 4 selectable sweep speed in M-mode
- 5 zones of TGC control for each of the scan depth
- image orientation: L/R, Up/Dn, Pos/Neg
- Tissue Harmonic Visualization THV
- image processing:
 - adaptive correlation: 4 steps
 - postprocessing: 5 steps
 - edge enhanced processing
- image annotation: alphanumeric, comments, patient information, date, time, bodymarks
- probe interface:
 - 2 electronic
 - option: 1 for special probes
- Hi-Res. 15" LCD monitor
- magnification function / ZOOM
- large, versatile trackball
- independent report pages: B, M, OB/GYN
- Help function
- applications presets
- adjustable keyboard (height, swivel)
- adjustable monitor (height, swivel, tilt)

MEASUREMENT FUNCTIONS

B-Mode:

- distance (4 pair of cursors)
- area, circumference (ellipse)
- volume (ellipsoid, 3 axis method)
- angles
- urology calculations and others according to order

Ob/Gyn calculation programs:

- BPD, CRL, FL, GS, AC, HC, NT, NB, YS (factory & user table)
- fetus weight FW (AC/BPD)
- ratio calculations: FL/BPD, HC/AC
- GA mean automatic calculation of birth date EDD

M-Mode:

- calculations of time, velocity, amplitude, heart rate
- cardiac measurements: EDV, ESV, CO, SV, EF
- fast measurements of AOD, LA, RVED, DE_Amp, IVS

OPTIONAL EQUIPMENT

- videoprinter
- biopsy attachments
- non-volatile internal Image Memory (IM), up to 2000 images
- USB-port for Pen Memory Module (PM) up to 2000 images capacity (transfer images to PC using USB port and Pen Drive)

OUTPUTS

TV PAL system for connection:

- auxiliary B/W monitor
- B/W videoprinter
- VGA video

PROBES

Multi-frequency probe types (2,5~12MHz):

- Electronic convex: CA-255 / R60 (2,5~5,0MHz)
- Electronic linear: LA-510 / L40 (5,0~10,0MHz)
- Electronic microconvex endovaginal: CV-580 / R13 (5,0~8,0MHz)
- Electronic linear: LA-575 / L64 (5,0~7,5MHz)
- Electronic linear: LA-912 / L30 (9,0~12,0MHz)
- Electronic convex: CA-409 / R13 (4,0~9,0MHz)
- Electronic convex: CA-305 / R20 (2,5~6,0MHz)

Special probes:

- Rectal bi-plane
- Endovaginal
- Anorectal 360°
- Anesthesia
- Microconvex

DIMENSIONS AND WEIGHT

- 500 x 570 x 1300, 18 kg (with monitor + trolley)

POWER SUPPLY

Power supply: AC 100/240 V, 50/60 Hz
Power consumption: 40 VA

