

Portable Color Doppler Ultrasound System

FF Sonic

UF-750XT **te||us**



Advancements in Technology

A "State-of-the-Art" Portable, Multi-Functional Color Doppler Ultrasound system.

Weighing only 12kg this portable unit provides Pulsed-Wave Doppler (PWD), Color Flow Mapping (CFM) with B-mode and M-mode capabilities. The image monitor is a 10.4 inch TFT LCD providing a high-resolution SVGA display which enables easy observation for making the most difficult diagnosis.

The integrated 3.5 inch 640MB MO drive with an Ethernet port allows for DICOM compatible digital communication, there-by making the UF-750XT the next generation in portable system giving the same performance as the high-end full size system.

Features

- Fully software controlled Image Processing (F-XT technology)
- Color Doppler & Power Doppler display available
- Auto focus function for transmission
- High-resolution SVGA display
- Cine memory with 128 frames
- Wideband Probes for multi-frequency function
- 6-step STC adjustment
- DICOM-compatible Ethernet port
- 3.5 inch 640MB MO drive for image filing

Applications

- Abdominal
- OB/GYN
- Cardiovascular
- Musculoskeletal
- Small Parts

Specifications

Scanning methods	Convex / Micro Convex / Linear	
Display mode	B, B/B, B/M, M, PWD, B/PWD, CFM (Velocity, Power, Bi-directional Power)	
B-mode:	Focus method	Transmitting max 3 zone focuses Receiving max 16 points dynamic focus
	Frequency	3 selectable
	Display depth	2~24cm, 1cm/step
	Display Control	Up/Down, Right/Left, Angle(only convex probe)
M-mode:	Display mode	Moving Bar
	Sweep speed	4 steps
PWD mode:	Display mode	Moving Bar
	Sweep speed	4 steps
	PRF	~ 16KHz (auto setting)
CFM mode:	Velocity mode, Velocity-Variance mode, Power Doppler mode Bi-directional Power Doppler mode Power-Velocity mode	

Imaging Control	GAIN :	60~100dB continuously variable
	STC :	6 steps, slide volume
	Dynamic Range:	30~90dB, 5dB/step
	Frame correlation:	8 steps
	Post Process:	8 steps
	Color Scale Imaging:	4 types
Cine Memory	B-mode:	128 frames
Scroll Memory	M, PWD-mode:	8 page
Biological signal		ECG (optional)

Measurements and Calculations:

General:	Distance, Area, Circumference, Volume
Cardiac:	Volume, Velocity, Heart rate, Left ventricle function
OB/GYN:	Gestational week, Expected delivery Date, Fetal weight
Doppler:	LV in-flow, RV in-flow, PI, RI, CE, CO, Tei-index

Monitor	10.4in TFT Color LCD (800 x 600 dots, SVGA)
Image Archive	3.5in 640MB MO (JPEG / BMP)

Auxiliary I/O Terminal

B/W Image output	One BNC connection for external Video Printer (NTSC or PAL)
Color Image output	One S-Video connection for external Color Video Printer or VTR
Serial port	Two USB (USB1.1)
Network	Ethernet (10BASE-T / 100BASE-TX)

General

Power	AC 100 ~ 240V \pm 10%, 50/60 Hz
Power Consumption	Approx. 120VA

External dimensions	380(W) x 222(D) x 370(H)mm
Weight	Approx. 12Kg

Optional Probes

FUT- CD602-5A	2.5 / 3.5 / 5.0MHz	60R Convex	FUT- CD152-5A	2.5 / 3.5 / 5.0MHz	15R Convex
FUT- CD505-8A	5.0 / 6.5 / 8.0MHz	50R Convex	FUT- CD105-8A	5.0 / 6.5 / 8.0MHz	10R Convex
FUT- LD386-9A	6.0 / 7.5 / 9.0MHz	38mm Linear	FUT- TVD114-7A	5.0 / 6.0 / 7.0MHz	11R Transvaginal

FUKUDA DENSHI reserves the right to change specifications without notice.

 **FUKUDA DENSHI CO., LTD.**
39-4, Hongo 3-chome, Bunkyo-ku, Tokyo 113-8483, Japan
Tel:(03)5684-1455 Fax:(03)3814-1222

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