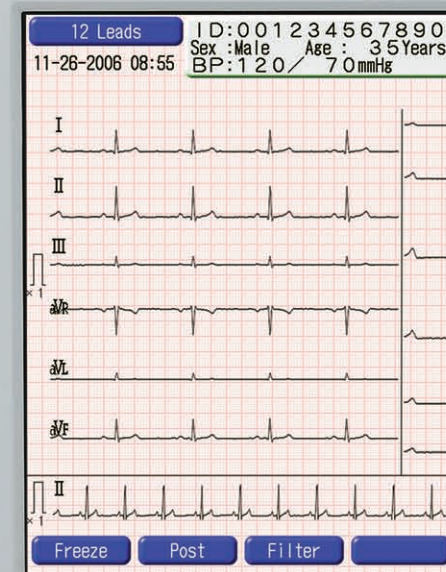
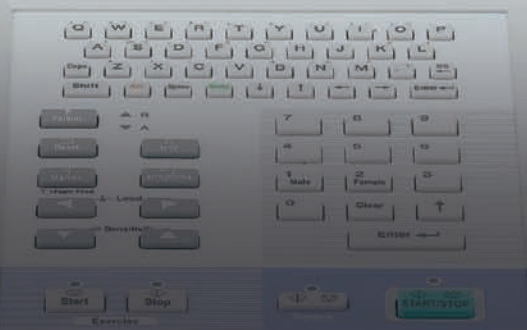
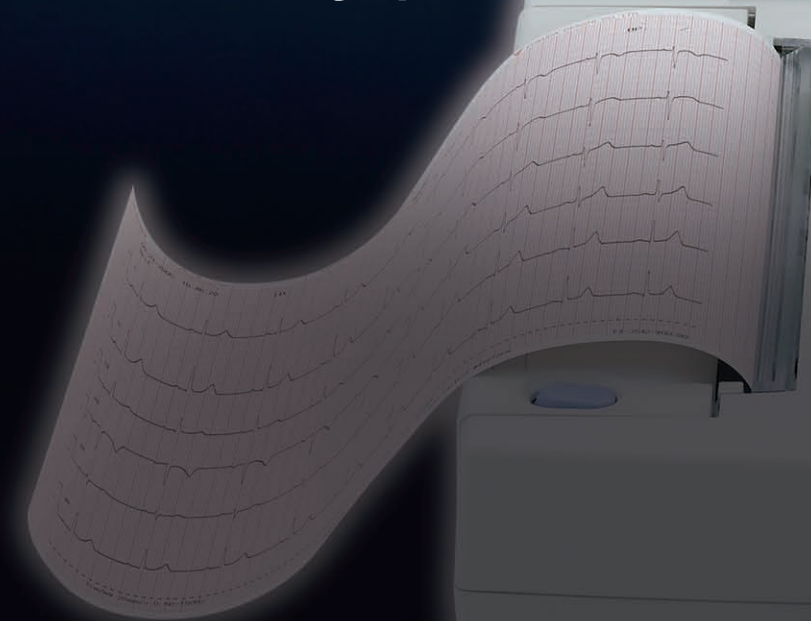


FUKUDA
DENSHI



High Image
Quality *CardiMax*
FX-7542
12-lead Electrocardiograph

* —



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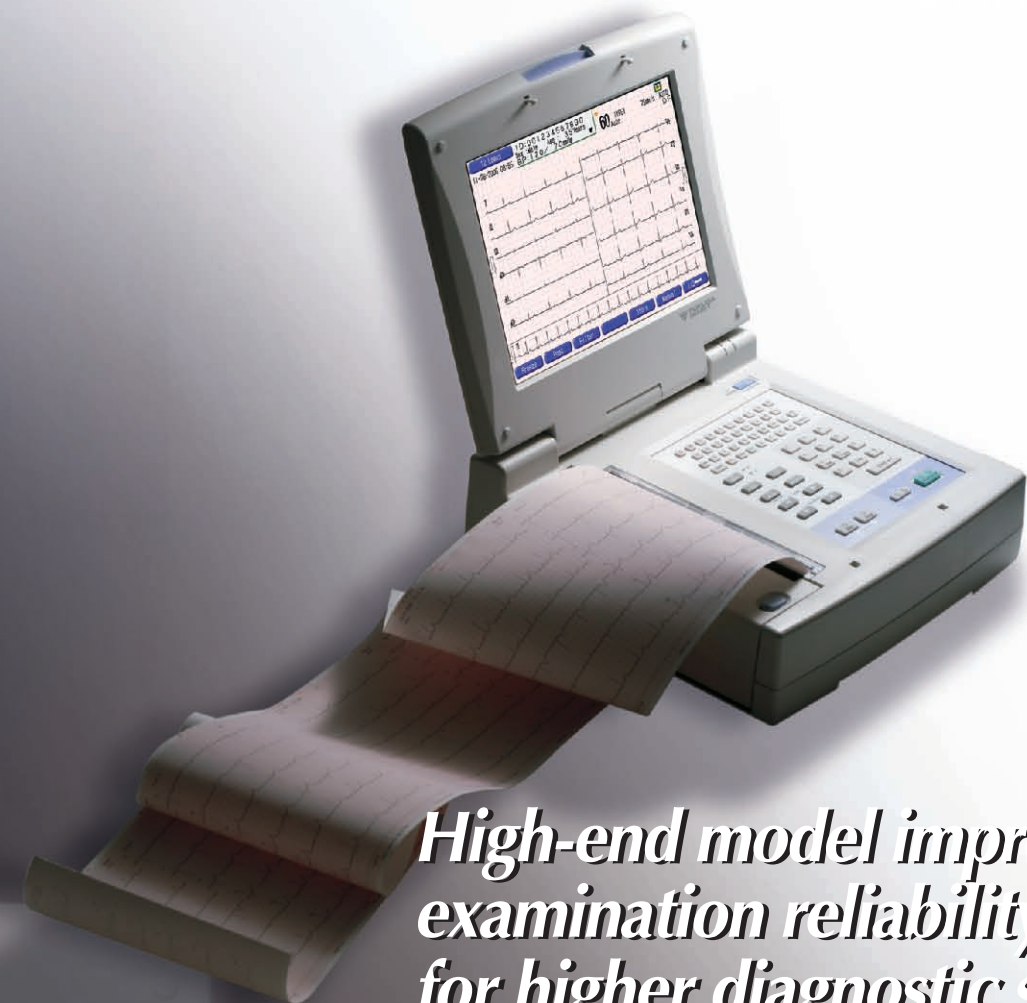
Distributed by:

**FUKUDA
DENSHI**

CardiMax
FX-7542

Multifunctional electrocardiograph with proven basics plus flexibility!

The FX-7542, ECG technologies that Fukuda Denshi has accumulated over many years are merged with the most recent technical innovations. Numerous options make it a highly flexible device and enable each user to configure an exact system for their purpose.



*High-end model improving
examination reliability
for higher diagnostic stage*

Renovated examination style

- LCD featuring resolution as high as 1,024 x 768 dots
- 10-minute frozen waveform storage
- Various checking functions to prevent negligence

Innovation

Higher diagnostic accuracy

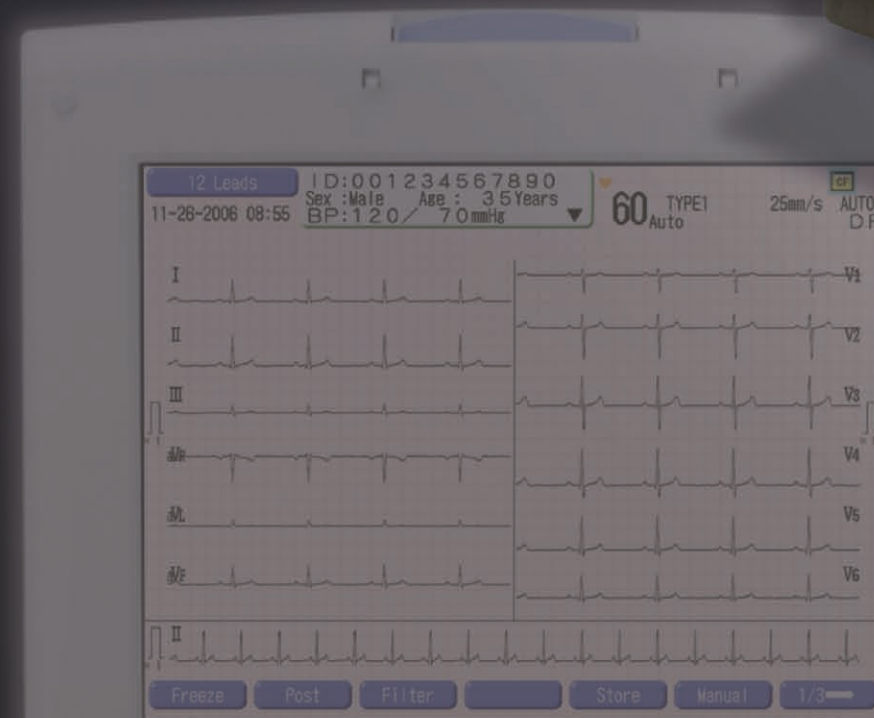
- Latest ECG analysis program (Ver. S2)
- Optional color report suitable to obtain informed consent
- Waveform comparison on display
- Explanation of interpretations and analysis guide

Diagnosis

Support various examinations

- Reproduction of Holter ECG (optional)
- Stress test examination (optional)
- 15-lead ECG examination (optional)
- Master two-step test

Performance





High Image Quality

High-end model improving examination reliability for higher diagnostic stage



Frozen waveform storage for more substantial examination

A touch of the button, 10 minutes (maximum) of frozen waveforms of all leads, from which a desired portion can be designated for recording, analysis or filing will be stored to the memory. This function is especially useful for cases where

stable ECG is difficult to obtain as in pediatric examination or where abnormal ECG may temporarily appear. It is also useful for examination of emergency cases and time-series observation of medication effects.

XGA liquid-crystal monitor featuring 1,024 × 768 dots, 65,536 colors

Offers high-fidelity images as on chart paper, thereby enabling delicate diagnosis

Large LCD screen enables waveform observation in detail.

High image quality and user-friendly interface provide great examination environment. The smoothing function enables presentation of gentle waveforms without any hitching.

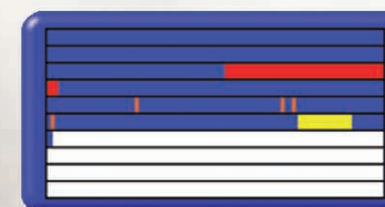


XGA liquid-crystal monitor provides a resolution of 1,024×768 dots and 65,536 colors, thereby enabling colourful and smooth waveforms

The resolution of 800×600 dots of the conventional SVGA liquid-crystal monitor made it impossible to present waveforms with the same reliability as on chart paper. The highest quality XGA LCD which is incorporated into the FX-7542, faithfully represents fine amplitudes of ECG waveforms on clear square grid.

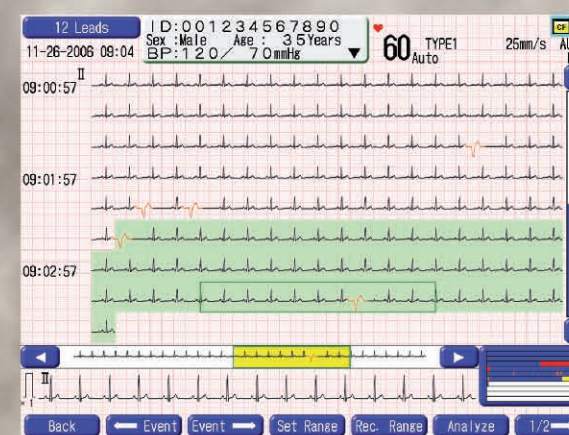
Memory Image Viewer

This function enables the staff to view all lead waveforms of the past 10 minutes and the waveform section that has been selected.



Status of internally stored waveform (max.10 min.) is indicated with colors.

- Blue: Stored
- Red: Lead-off
- Orange: Arrhythmias suspected
- White: No waveform stored





Diagnostic Support

Advanced ECG analysis program that meets the needs of our times (option)

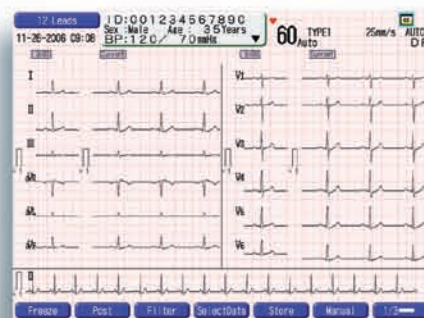
Highly accurate analysis capability to support diagnosis and facilitate explanation to the patients

Adherence to excellent analysis accuracy has led to a higher and efficient diagnostic tool. The advanced ECG analysis program (Ver.S2) outstandingly improved the rate of detecting

myocardial infarction, supraventricular extrasystole and WPW syndrome. In addition, onscreen comparison with past waveforms enables easy confirmation of waveform changes.



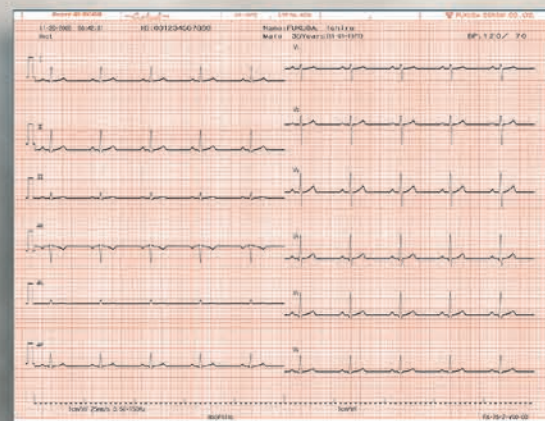
Analysis result confirmation display
Presents results obtained by analyzing acquired data.



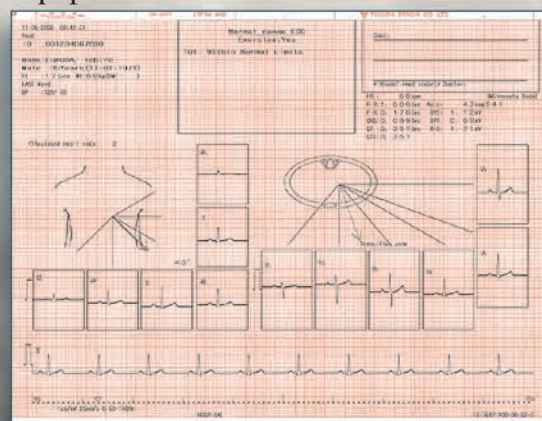
Comparison display
Presents previous waveforms together with present ones.

Various report formats

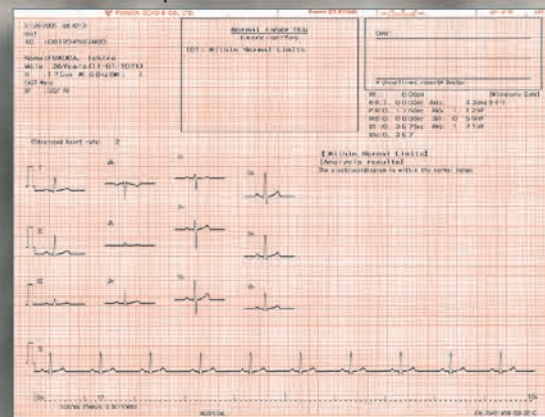
Various report formats are available to further support diagnosis on a 210mm wide chart paper.



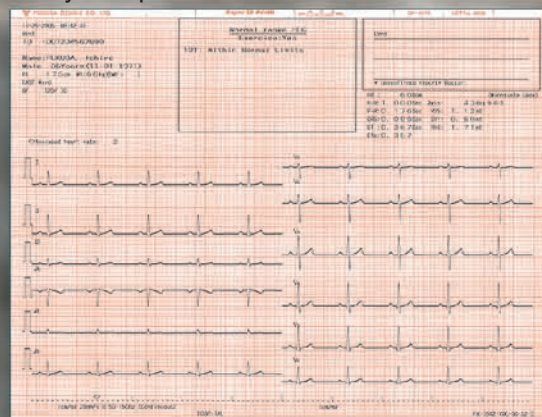
Waveform report (6CH)



Analysis report (DOM3)



Analysis report (DOM1)



Analysis report (FULL6)



Supported Various Examination



This device FX-7542 can totally support various examinations.

Holter ECG examination(option)

The optional software enables the FX-7542 to easily analyze the ECG data recorded by Holter recorder and to edit the morphology.

Digital Holter Recorder
FM-180



15-lead examination(option)

Optional 15-lead cable with amplifier module enable the FX-7542 to record V3R, V4R and V5R or V7, V8 and V9 together with standard 12 lead.

Stress test (option)

The optional software enables the FX-7542 to perform stress test using a treadmill or ergometer.

The full-scale stress test enables detection of irregular beats which may not be found in the resting ECG as well as supports prescription for cardiac rehabilitation and exercise therapy.



Master two-step test

The FX-7542 can be used for Master two-step test. Based on the input age, sex and body weight, it automatically calculates the target number of steps and generates step sounds during exercise. Recording is possible in a preset time or at intervals and the recorded waveform can be printed out together with the resting waveform for comparison.

FX-7542 Specifications

ECG Measurement items	
Standard 12 lead <input type="checkbox"/>	Rest 12 lead
<input type="checkbox"/>	Memory: any from 8-24s
Arrhythmia <input type="checkbox"/> measurement	Any 3 leads with analysis
<input type="checkbox"/>	Memory: 40s, any from 1-3min., 100 or 200 beats (max. 3min)
Autonomic nerve <input type="checkbox"/> measurement	R-R measurement, Any lead
<input type="checkbox"/>	Memory: Any from 1-10min., 100 or 200 beats (max. 10min)
Function	
ECG leads <input type="checkbox"/>	Standard 12 lead
Sampling Rate <input type="checkbox"/>	8000 sample/s per channel
Defibrillator protection <input type="checkbox"/>	Yes
Frequency response <input type="checkbox"/>	0.05 to 150Hz (within -3dB)
Time Constant <input type="checkbox"/>	3.2s or greater
A/D conversion <input type="checkbox"/>	18 bits
Common Mode <input type="checkbox"/> Rejection Ratio	103dB or greater
Filters <input type="checkbox"/>	AC: 50 or 60Hz, -20dB or less
<input type="checkbox"/>	Muscle: 25 or 35Hz, -3dB (-6dB/oct)
<input type="checkbox"/>	Drift: 0.25 or 0.5Hz, -3dB (-6dB/oct)
Display <input type="checkbox"/>	12.1 inch Backlit XGA LCD with Touch Screen
Resolution <input type="checkbox"/>	1024 × 768 dots
Sensitivity <input type="checkbox"/>	1/4, 1/2, 1, 2, Auto
Recorder <input type="checkbox"/>	Thermal dot array
Chart speed <input type="checkbox"/>	5, 10, 12.5, 25, 50 mm/s
Data filing <input type="checkbox"/>	PC Card slot × 1
<input type="checkbox"/>	CF Card slot × 1
Serial Port <input type="checkbox"/>	RS232C × 3
DC input <input type="checkbox"/>	10mm/0.5V, 100KΩ or greater (3ch)
Monitor output <input type="checkbox"/>	0.5V/mV, 100Ω or smaller
LAN port <input type="checkbox"/>	IEEE802.3 10BASE-T
General	
Regulatory standard <input type="checkbox"/>	IEC60601-2-25
Conformity <input type="checkbox"/>	CE marking for the 93/42/EEC Directive
Power requirements <input type="checkbox"/>	100 to 240V AC Universal, 50/60Hz, or 9.6V DC (option)
Power consumption <input type="checkbox"/>	AC: 95VA, DC: 80W (DC operation approximately 40min)
Dimension <input type="checkbox"/>	(W)335 × (D)346 × (H)119 mm
Weight <input type="checkbox"/>	Approximately 8kg

Options

ECG Interpretation Software <input type="checkbox"/>	FP-1001
Holter ECG Software <input type="checkbox"/>	FP-1002
Stress ECG Software <input type="checkbox"/>	FP-1003
ECG Amplifier Module for 12 lead <input type="checkbox"/>	EE-20
ECG Amplifier Module for 15 lead <input type="checkbox"/>	EE-21
15 lead ECG Cable for General <input type="checkbox"/>	CPE-01AKP
15 lead ECG Cable for Europe <input type="checkbox"/>	CPE-01BKPE
15 lead ECG Cable for USA <input type="checkbox"/>	CPE-01NKPA
Analogue I/O Box <input type="checkbox"/>	CI-701
Z-fold paper Adaptor <input type="checkbox"/>	OA-483
ECG Trolley <input type="checkbox"/>	OTE-01
ECG Code Hanger for 15 lead <input type="checkbox"/>	OA-300
Code Hanger Attachment <input type="checkbox"/>	OAE-01
Battery Pack (except certain countries) <input type="checkbox"/>	T8HR4/3FAUC-5887