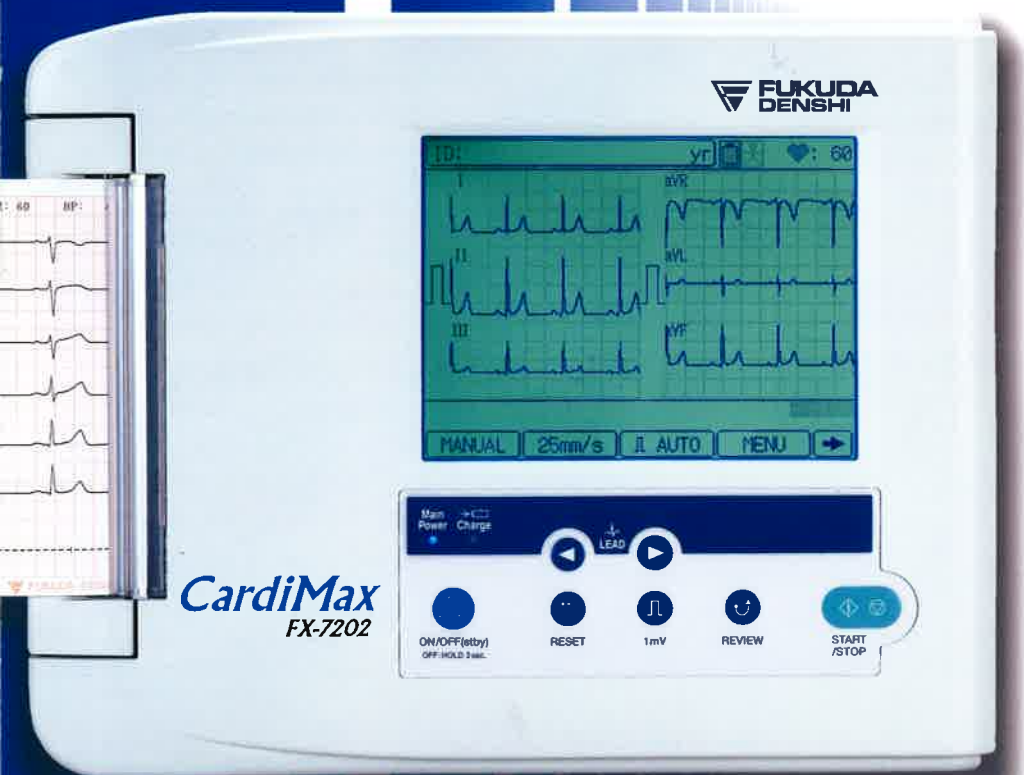


CardiMax FX-7202

Advanced Electrocardiograph



The new generation Cardimax FX-7202 presents advanced ECG examination capabilities.

The large and bright, touch-sensitive LCD screen enables the operator to have easy access to multiple functions in a compact, portable package.

Standard 12-lead ECG Waveform Recording

The FX-7202 acquires the 12-lead ECG, and records ECG waveforms and measurements on 110mm wide chart paper. The newly designed hardware, and the new ECG measurement program synergistically increases the accuracy in ECG measurement.

Varieties of Recording Formats

The operator can select a desired waveform recording format from a 3 or 6-channel, report. The Automatic Recording Mode allows selection from these as well as a 3-channel + 1 rhythm lead. In addition, a reporting format for the measurement report or the optional ECG analysis report can be selected as required.

R-R Trendgraph Examination

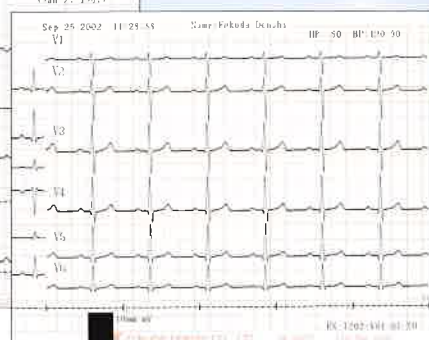
Examination of the R-R interval trend, a standard feature, measures and quantifies R-R intervals for a selected lead for a maximum of 5 minutes and records the result as a report. The report can be used as an indicator for autonomic imbalance.

Internal Memory

The FX-7202 comes standard with an internal memory. The memory stores waveforms and measurements for up to 128 examinations. The operator can review selected ECG data from the memory for recording as required. A data list can also be printed.



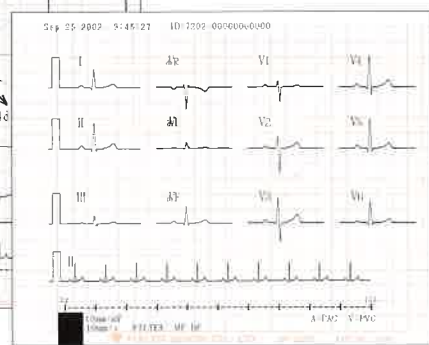
▲3+ rhythm lead Recording



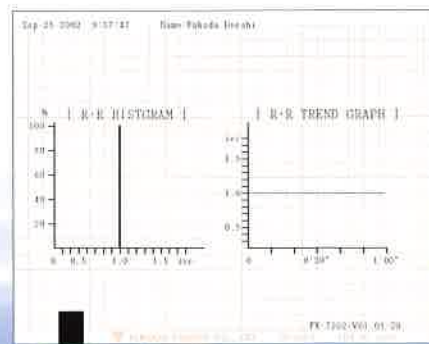
▲6-channel Recording



▲Measurement Report (Dominant 3)



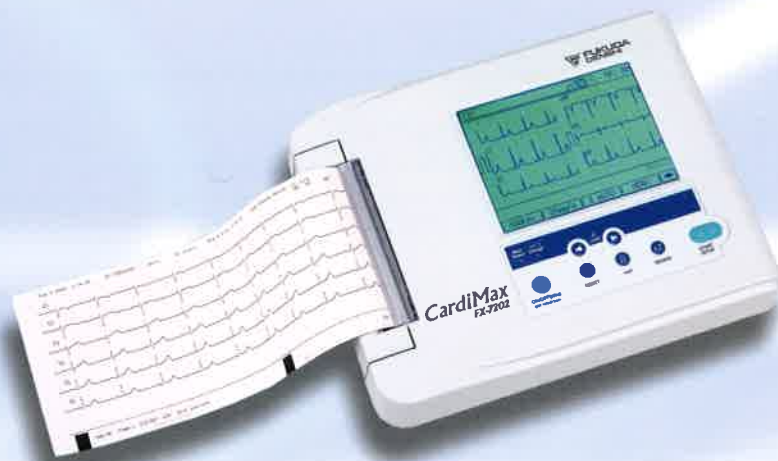
▲Measurement Report (Dominant 1)



▲R-R Trendgraph

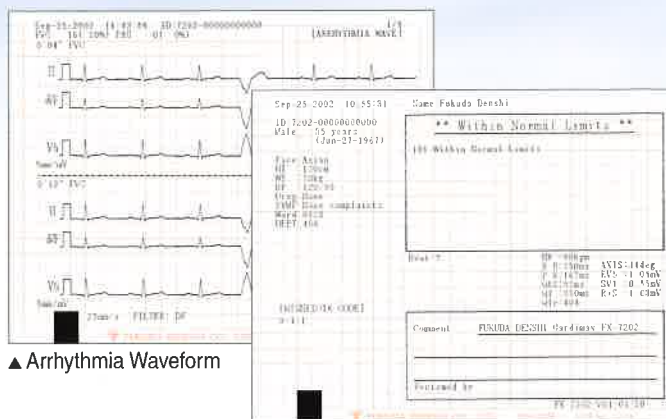


ents



New ECG and Arrhythmia Analysis Program

An optional program cartridge provides the FX-7202 with an additional function to analyze ECG and arrhythmias. The automatic ECG analysis program written in this cartridge makes intensive use of ECG analysis technologies cultivated over many years. This upgraded program improves upon previous versions to realize even higher precision in analysis. With this program, arrhythmias are detected and analyzed by sampling ECG signals in any desired three leads for a maximum of three minutes for a high detection rate and classification accuracy.



▲ Arrhythmia Waveform

▲ Analysis Report

Communications Port

Included in the FX-7202 is a communication port, through which the unit can be connected with a personal computer for additional data storage.



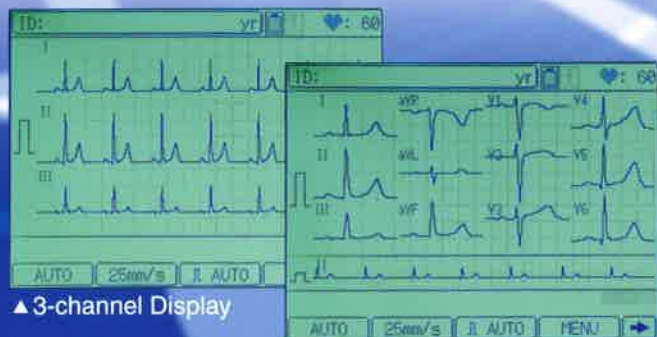
Battery Operation

An optional built-in type battery enables the FX-7202 to operate for approximately half an hour without being connected to the AC outlet. This allows ECG examination anywhere with the compact, lightweight unit.

Easy Operation

Large and Bright LCD Screen

The 5.7-inch LCD screen displays real-time ECG waveforms, up 12 leads at a time, allowing the operator to check waveform status before recording. The LCD screen displays waveforms and heart rate plus patient data, such as ID number, and instrument conditions including filter settings. If an error occurs, the FX-7202 indicates an error message on the display.

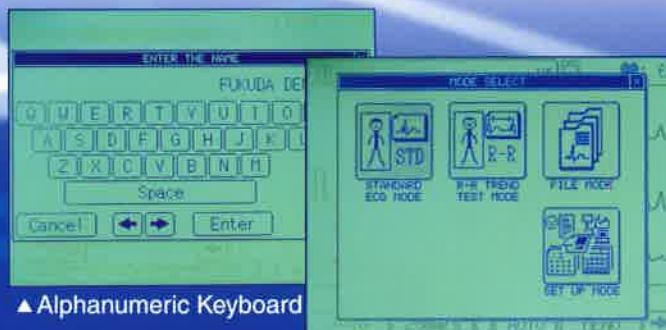


▲ 3-channel Display

▲ 12-channel Display

Touch Screen Operation

Operation of the FX-7202 is extremely simple. Fixed panel keys are limited in number and only required keys necessary for the function being used status are displayed on the screen. In addition, the operator can directly touch a necessary key or icon while viewing data on the screen, to easily make use of multiple functions. When entering patient name and other information, the touch screen becomes an alphanumeric keyboard.



▲ Alphanumeric Keyboard

▲ Mode Select Window

FX-7202 Specifications

ECG	
Leads	Standard 12 leads
Sensitivity selection	1/4, 1/2, 1, 2 cm/mV; manual or automatic
Time Constant	3.2 sec or greater
Frequency response	0.05 Hz to 150 Hz (within -3dB)
Common mode rejection ratio	103 dB or greater
Max. electrode potential	± 550mV or greater
A/D conversion	18 bits
Sampling frequency	8000 samples/sec/channel
Filters	AC: 50 or 60 Hz, -20dB or less Muscle: 25 or 35 Hz, -3dB (-6dB/oct) Drift: 0.25 or 0.5Hz, -3dB (-6dB/oct)

ECG Storage

Internal memory	Up to 128 measurements
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Display

Device	Backlight LCD with Touch Screen
Display area	115 mm (H) x 86 mm (V)
Resolution	320 x 240 dots
Representation	3/6/12 channels/display

Operation

Devices for operation	Touch Screen and membrane keys (The touch screen is used for alphanumeric keyboard input)
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Recorder

Method	Thermal dot array
Paper speed	10, 12.5, 25 or 50 mm/sec
Recording paper	Z-fold, 110mm x 20m, fold length: 140mm (OP-222TE)

I/O interface

Communication port	RJ-45 connector
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Safety

Regulatory standards	IEC60601-1, IEC60601-2-25
Electrical shock protection	Class I, Type CF and Internally powered equipment, Type CF
Conformity	CE marking per 93/42/EEC Directive

General

Power requirements	100 to 240V AC Universal, 50/60Hz, 80VA or 9.6V DC (optional rechargeable battery pack), 45W
Dimensions	260 (W) x 206 (D) x 64 (H) mm
Weight	Approx. 2.5 Kg (w/o battery)

Option

Program cartridge	PC-7403: Interpretation, Arrhythmia Analysis
Rechargeable battery	T8HRAAU-4713 (Ni-MH)



FUKUDA DENSHI reserves the right to change specifications without notice.

CE 0086

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