



**cardiofax**   
Electrocardiograph ECG-2550

*Fighting Disease with Electronics*

 **NIHON KOHDEN**



Our ECG-2550 is the result of listening to the needs of cardiologists. Efficient examination is the professional's strongest need. Nihon Kohden is continuously striving to improve patient safety, reliability, and effectiveness. We feel this is our greatest responsibility. The ECG-2550 incorporates many details to improve the routine work of physicians. We developed the ECG-2550 with features to answer the needs of professionals.



# SURF Concept

**S** Safe and speedy

**U** User-friendly

**R** Reliable

**F** Flexible

# Safe and speedy

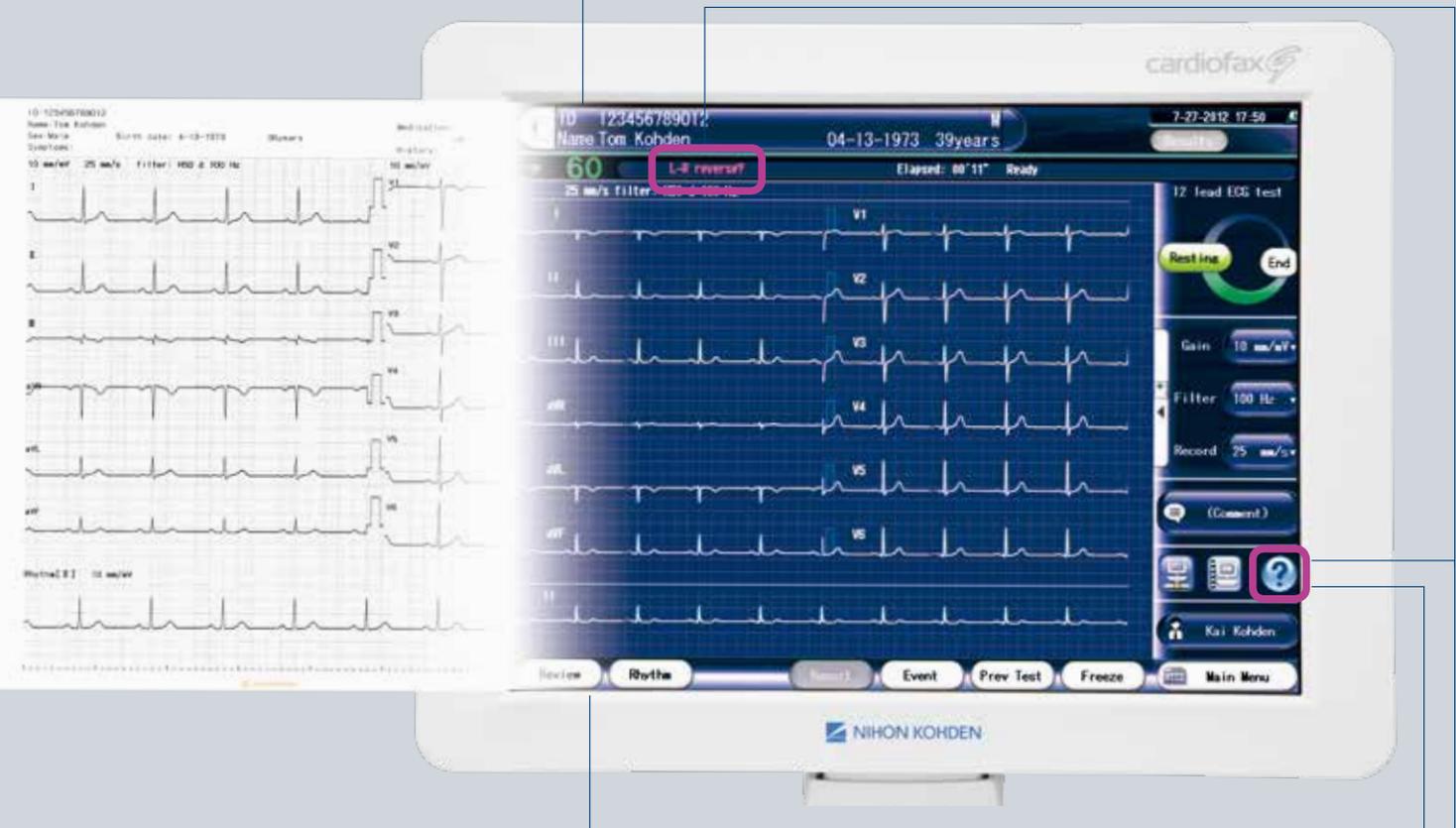
To ensure efficient testing without needing to repeat the test, information can be checked on the ECG display before and during examination. Each check function contributes to the quality of examinations in your hospital.

## Actual size

The ECG display is the same size as the recording paper so you can easily see actual size of waveforms and information.

## 15-inch display

The 15-inch touch panel display shows all the keys right on the display for intuitive operation.



## Reference

Requesting physician's comments and past 12 lead ECG exams can be viewed onscreen at exam time.



## Onscreen operation guide

Guide function to check the procedure of ECG is available.



## Lead check

Limb and chest lead attachment is checked and detailed guidance and error messages are displayed onscreen.



# User-friendly

ECG-2550 provides more comfortable examination for both physician and patient.

## Start/Stop button on input box

A start/stop button is also located on the input box for more convenient operation.



## Easy lead connection

Cord handling has been improved. Lead cords and cord clips are designed to prevent tangling and make it easy to remove paste. If a lead is damaged, it is easy to replace.



## Patient-friendly electrodes

The electrodes are comfortable on the skin. They are designed to be painless but secure attachment and harder to get dirty.



## Icon buttons

Icon buttons on the screen provide intuitive operation.



## Soothing appearance for the patient

An optional connector cover conceals cords and connectors to provide a friendlier atmosphere for patients.

\*option for KD-106D/E cart



Without connector cover



With connector cover



# Reliable

Nihon Kohden's high quality waveform analysis technology meets the IEC60601-2-51 international standard for electrocardiographs. Noise is eliminated with no waveform distortion. Nihon Kohden's ECAPS 12C ECG analysis program provides more than 200 findings with detailed analysis.

## Synthesized 18 lead ECG\*

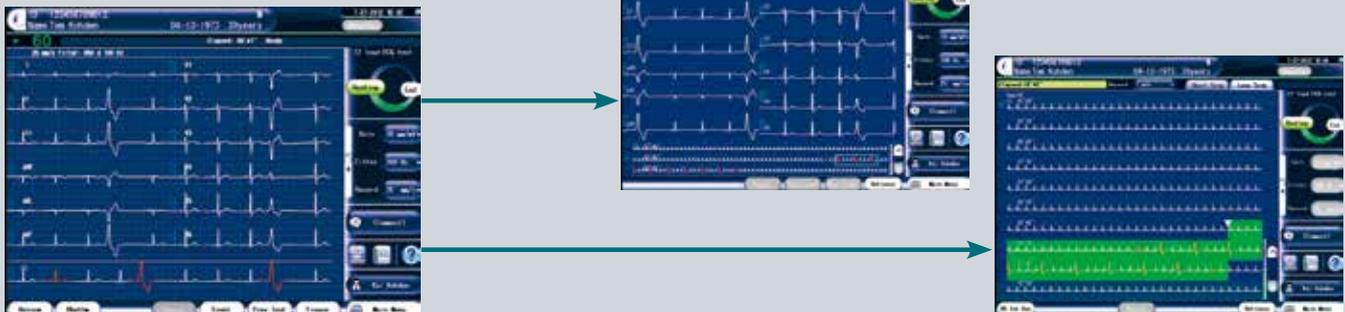
- From just the standard 12 lead, the difficult to obtain right side chest leads (V3R, V4R, V5R) as well as back leads (V7, V8, V9) can be derived.
- Analysis display makes it easier to show ST change.
- ECG-2550 incorporates a new analysis program, ECAPS 18. The extra leads aid in detection of ECG changes of ischemia which are difficult to detect with standard ECG.

\*option



## Large memory

The most recent 10 minutes of all lead ECG waveforms can be stored in the internal memory. The large capacity memory ensures that necessary information need not be lost. It also makes the ECG-2550 more convenient to use.



## Specifications

ECG Input	
Frequency response	0.05 to 150 Hz, (-3 dB)
Common mode rejection ratio	110 dB or more
Waveform Data Processor	
Measurement mode	Standard 12 lead, 15 lead or XYZ lead
Time constant	3.2 s or more
Sensitivity precision	10 mm/mV $\pm$ 5%
External input	2 channel, 10 mm/0.5 V
Signal output	1 channel, 0.5 V/1 mV

Color LCD (touch panel, TFT)	
Size	15 inch
Number of dots	1024 $\times$ 768
Recorder	
Recording method	Thermal head
Meandering	0.5 mm or less
Paper speed	5, 10, 12.5, 25, 50 mm/s
Recording paper	210 or 216 mm width, 30 m long Z-fold or roll type 210 or 216 mm width, 100 or 300 m long Z-fold or roll type, outside the instrument

# Flexible

ECG-2550 is designed for easy viewing and easy use in any test environment and for any operator.

## Swivel screen

The swivel screen can be adjusted so the caregiver can see it while attaching the electrodes or talking with the patient during measurement to help the patient relax.



## Customizable

For one-click operation, four function keys can be set to commonly used functions.



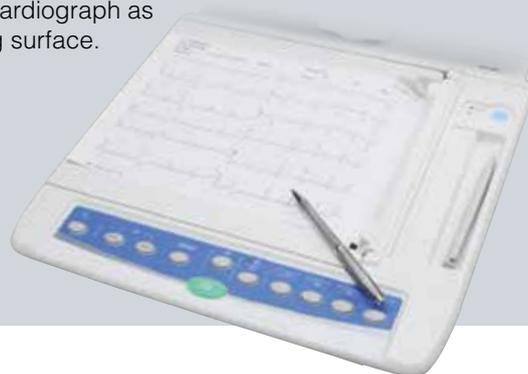
## Flexible input box

- Individual lead cords can be exchanged. Difficult length cords can be used to suit the exam environment.
- The input box has 15 lead connectors. 15 lead examination is available with optional electrode lead wires.
- The input box has a start/stop switch so the caregiver can also operate it from near the patient.



## Tabletop design

The tabletop design is not only space-saving but you can also write the recording paper with the electrocardiograph as a writing surface.



Other	
Type of protection against electric shock	CLASS I EQUIPMENT (AC Powered) Internally powered EQUIPMENT (Battery Powered)
Degree of protection against electric shock	Defibrillator proof type CF applied part
Power requirements	AC 100 V to 240 V (50, 60 Hz), 220 VA
Built-in battery	Battery operation: more than 30 minutes
Dimensions and weight	400 W × 453 H × 440 D mm (excluding protrusions) 11 kg (including battery, excluding other options)

## Options

- Battery pack, SB-201D [\[X078\]](#)
- Cart, KD-106D/E
- Patient cable hanger, KH-210D
- Paper tray, DI-011D
- Magnetic card reader holder, DI-012D
- Middle shelf, DI-013D
- Drawer, DI-014D
- Tray set, DI-015D
- Roll paper holder (60 m), DI-016D
- Paper spindle, YZ-048H6
- Electrode lead, BR-201D
- Fastclip (clip-on electrode), NC-143/144E
- SD memory card, QM-001D [\[Y154D\]](#)
- Wireless LAN converter, SX-2500CG
- Magnetic card reader, CRF-100U-0101-00
- Bar cord scanner, LS2208-SR20001R

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