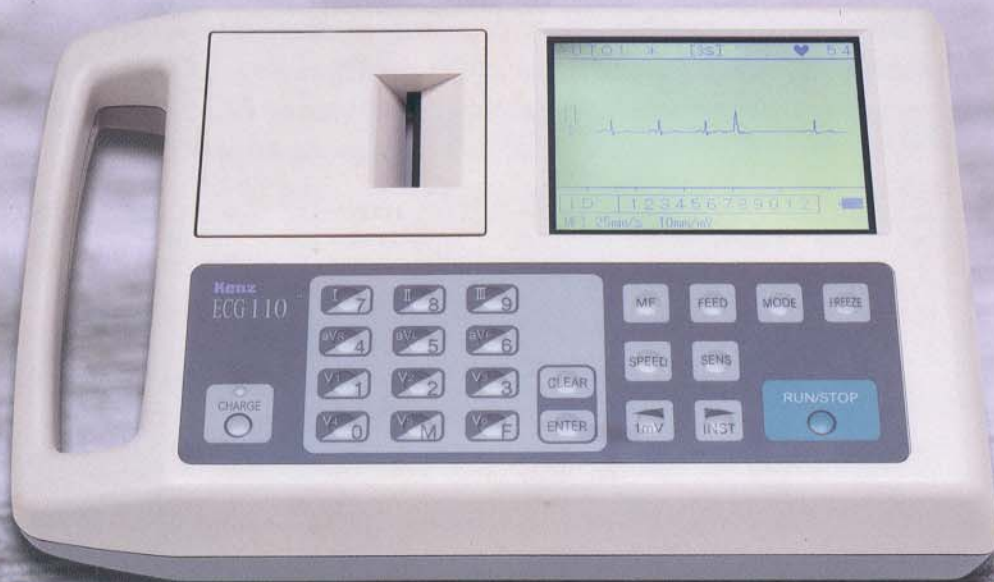


Kenz ECG 108/110

Single Channel Digital Electrocardiographs





COMPACT AND LIGHTWEIGHT

Less than 2.5kgs including the built-in rechargeable battery for superior portability.

EXCELLENT RECORDING QUALITY

The high resolution thermal head printer produces clear and precise ECG tracings, and digital filters eliminate AC interference, baseline drift and muscle tremor (EMG).



EASY OPERATION

Standard 12 leads or Cabrera lead ECG can be recorded by just one touch of the RUN/STOP key.

ALPHANUMERIC PATIENT INFORMATION ENTRY

You can enter patient ID number (up to 12 digits), sex, name and comments (up to 36 letters) for printout by using the operation keypads.

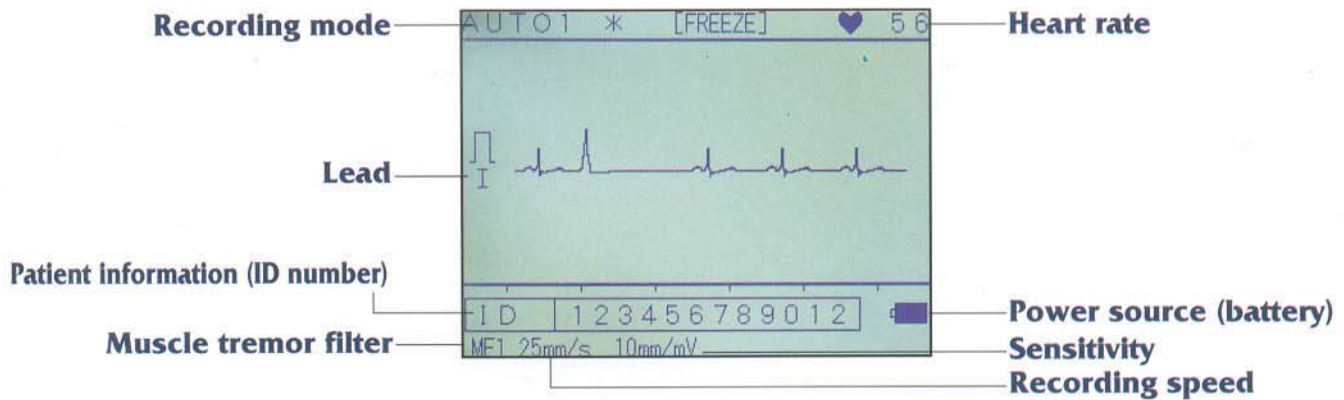
And an external PS/2 keyboard can be connected to enter this information.

RECHARGEABLE BATTERY OR AC OPERATION

Maximum one hour continuous operation is possible when the battery is fully charged for 2.5 hours.

ECG PREVIEW DISPLAY (ECG 110 ONLY)

The Kenz ECG 110 has a larger back-lit LCD (5.7 inch) to display single channel ECG for preview to verify abnormal ECG and ensure quality tracings for saving time and paper. You can freeze ECG waveform displayed on the LCD and print it out.



MESSAGE DISPLAY

Various message display on the LCD; "PAPER EMPTY", "RECHARGE BATTERY", "LEAD OFF", etc. will guide you for proper operation.

VERSATILE RECORDING MODES

AUTO 1 Automatic recording of standard 12-lead ECG in the conventional lead sequence.

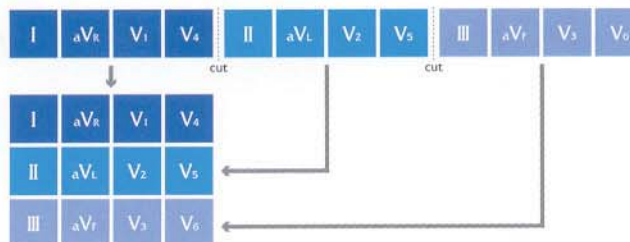
I → II → III → aVR → aVL → aVF → V₁ → V₂ → V₃ → V₄ → V₅ → V₆

AUTO 2 Automatic recording of standard 12-lead ECG in the reverse sequence.

V₆ → V₅ → V₄ → V₃ → V₂ → V₁ → aVF → aVL → aVR → III → II → I

AUTO 3 Automatic recording of standard 12-lead ECG in the three channel format sequence.

I → aVR → V₁ → V₄ → II → aVL → V₂ → V₅ → III → aVF → V₃ → V₆



AUTO 4 Automatic recording of Cabrera lead ECG.

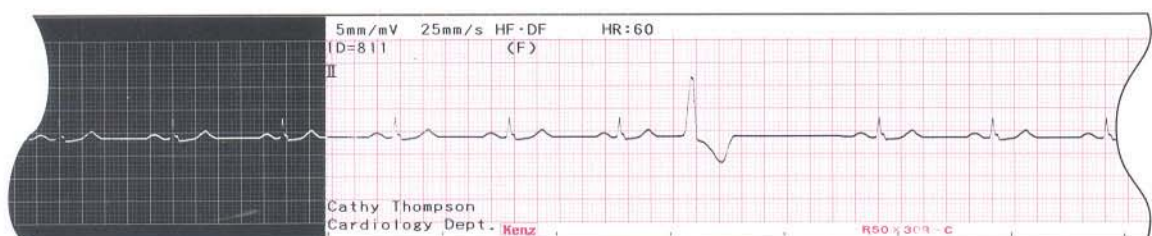
This recording mode is useful for screening of Ischemia/Myocardial Infarction.

aVL → I → -aVR → II → aVF → III → V₁ → V₂ → V₃ → V₄ → V₅ → V₆

MANUAL Conventional manual recording.

ARRHYTHMIA Automatic arrhythmia detection recording mode.

This mode is to check any presence of arrhythmia by monitoring R-R intervals. If a R-R interval varies $\pm 15\%$ from the average of the precedent 8 R-R intervals, it will automatically start recording of a single lead ECG of your choice for 15 seconds from 3 seconds prior to the detected arrhythmia.



SPECIFICATIONS

Leads	Standard 12 leads
Input impedance	Over 50 M Ω
Common mode rejection	Over 100 dB
Frequency response	0.05-100Hz(within -3dB)
Time constant	Over 3.2 sec.
Patient leakage current	Less than 10 μ A
Filters	Digital filters AC :Over -40dB (50/60Hz) Drift :-3dB (0.5Hz) Muscle 1 :-3dB (35Hz) Muscle 2 :-3dB (25Hz)
Sensitivity	2.5, 5 or 10mm/mV in AUTO mode 2.5, 5 or 10 or 20mm/mV in MANUAL mode
External output	0.5V/mV
External input	10mm/0.5V
Auxiliary input	Input channel 1 Input range 7VP-P/FSP (Full Scale Range)
Auxiliary output	Output channel 1 Output range 8VP-P/FSP
Display	ECG 108 Character LCD (16 characters x 2 lines) ECG 110 5.7 inch Graphic LCD (320 x 240 dots)
Recording system	Thermal array (8 dots/mm)

Recording mode	AUTO 1 :Normal automatic recording AUTO 2 :Reverse recording AUTO 3 :3 channel format recording AUTO 4 :Cabrera lead recording MANUAL:Standard manual recording ARRHYTHMIA:Automatic arrhythmia detection record
Speed marker	Automatically records per 1 sec
Recording paper	Roll paper, 50 mm x 30M (R50x30R-C) (Thermal sensitive recording paper)
Chart speeds	5, 25 or 50 mm/sec.
Recording time	3, 4, 5, 6, 7, 8, 9 or 10sec.
Power supply	AC 100 - 240 V DC built-in rechargeable Nickel-Metal Hydride battery
Classification(IEC)	Class I type CF
Environmental conditions	Operating temperature:10~40 $^{\circ}$ C Relative humidity:25~95%RH (No condensation allowed) Storage temperature:-20~80 $^{\circ}$ C Relative humidity:10~95%RH (No condensation allowed)
Dimensions	356(W)x230(D)x85(H)mm
Weight	ECG 108 Approx. 2.2kg ECG 110 Approx. 2.4kg

Specifications are subject to change without notice.

OPTIONS



Mobile cart ESC-12K and patient cable hanger KH-101

STANDARD ACCESSORIES

Patient cable PC-109	1 pc
ECG clip-on electrode (4 pcs/set)	1 set
Chest electrode, suction for adult (6 pcs/set)	1 set
ECG electrode cream (70 g)	1 pc
Power cable	1 pc
Grounding wire	1 pc
Paper spool	1 pc
Recording paper R50 x 30R-C	1 roll
Operation manual	1 pc



FDA 510K No.K001896

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