

# Cardiac Monitoring

**NIDEK ECG Machine**  
**ECG-703**  
**Portable, Precise, User-friendly**

Nidek India's Electrocardiograph machines are one of the basic diagnostic tools for cardiologists and general physicians.

They can be used to perform routine diagnostic checks. The machines are simple to use and precise, thus, making the diagnosis easy to perform and analyze.

Nidek's ECG machines are available in several models suited to the physicians and patient's needs and requirements.

Product descriptions appear in the following pages.

## Key Features



- 3 channel ECG machine with interpretation
- Colour display
- Manual / Auto / Rhythm / Exam.
- 80mm 3-ch recording with rhythm lead
- Built in rechargeable battery
- Adapt to 110-230V, 50 / 60Hz AC power supply
- Real-time ECG waveform, cases save / replay
- Built in USB / RS232 interface (ECGNET software optional)
- Pacemaker detection

## Specifications

Display	LCD 3.5"
Paper	80mm X 20m roll / fold paper
Dimension	285 X 265 X 72 Unit (mm)

## Standard Specifications

Lead	Standard 12 leads
Acquisition	Simultaneous 12 leads
Resolution	12bit / 1000Hz
Operation mode	Manual / Auto / Rhythm / Exam.
Filter	AC, EMG Filter
Drift filter	Anti-Drift System: 0.15 Hz (Adaptive)
CMRR	$\geq 120\text{dB}$ , with AC Filter
Input circuit	Floating, Protection against defibrillator effect
Input circuit current	$\geq 0.05 \mu\text{A}$
Input Impedance	$\geq 50 \text{ M}\Omega$
Patient current leakage	$< 10 \mu\text{A}$
Calibrating voltage	1mV $\pm 5\%$
Sampling rate	4000 Hz / channel
HR Range	30 - 300 BPM ( $\pm 1\text{BPM}$ )
Patient cases storage	400 patient cases. (Internal SD card is optional)
Noise level	$\leq 30 \mu\text{Vp-p}$
Communication interface	USB, UART
Paper speed	12.5, 25, 50mm / s ( $\pm 3\%$ )
Sensitivity	2.5, 5, 10, 20, 40mm/mV ( $\pm 3\%$ )
Recorder	Thermal dot matrix recorder
Safety standard	GB9706.1-2007, IEC Class I, Type CF

\* Specifications subject to change without notice.



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