

Cardiac Monitoring

NIDEK ECG Machines

ECG-701 | ECG-703 | ECG-703A | ECG-712

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.



ECG-701

Single channel ECG machine



Key Features

- Single channel ECG machine with interpretation
- Colour display
- Manual / Auto / RR / Store Modes (optional)
- Built in rechargeable battery
- Adapt to 110-230V, 50 / 60Hz AC power supply
- Built in RS232 interface (ECGNET software optional)

Specifications

Display	LCD 3.5"
Paper	50mm X 20m roll / fold paper
Dimension	285 X 265 X 72 Unit (mm)

ECG-703

Three channel ECG machine

Key Features

- 3 channel ECG machine with interpretation
- Colour display
- Manual / Auto / RR / Store Modes
- 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)



Specifications

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

ECG-703A

Three channel ECG machine

Key Features

- 3 channel ECG machine with interpretation
- Colour display
- Manual / Auto / RR / Store Modes
- 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)



Specifications

Display	LCD 5.7"
Paper	80mm X 20m roll / fold paper
Dimension	285 X 265 X 72 Unit (mm)

ECG-712

Twelve channel ECG machine

Key Features

- Portable 12 channel ECG machine
- Colour display
- Manual / Auto / RR / Store Modes
- 7 inch LCD
- Alphabetic keyboard for patient information
- 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)



Specifications

Display	LCD 7.0"
Paper	210mm X 216mm / 20m roll / Z Fold paper
Dimension	320 X 270 X 66 Unit (mm)

Standard Specifications

Lead	Standard 12 leads
Acquisition	Simultaneous 12 leads
Resolution	12bit / 1000Hz
Operation mode	Manual / Auto / RR / Store Modes
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	$\leq 0.05 \mu\text{A}$
Input Impedance	$> 50 \text{M}\Omega$
Patient current leakage	$< 10 \mu\text{A}$
Calibrating voltage	$1\text{mV} \pm 2\%$
Voltage tolerance	$\pm 500\text{mV}$
Time constant	$> 3.2\text{s}$
Frequency response	$0.05\text{Hz} \sim 160\text{Hz}$ (-3db)
Noise level	$\leq 15 \mu\text{V}_{\text{p-p}}$
Threshold	$\leq 20 \mu\text{V}$
Paper speed	6.25, 12.5, 25, 50mm / st ($\pm 3\%$)
Sensitivity	Auto, 2.5, 5, 10, 20, 40mm/mV
Recorder	High resolution thermal printer
Safety standard	GB9706.1-2007, IEC Class I, Type CF

* Specifications subject to change without notice.



Nidek Medical India Private Limited

Head Office: 238B A.J.C. Bose Road, Kolkata 700 020
Tel: (033) 4017 7000 (30 Lines), Mob: 93395 66444

Delhi: 322, 3rd floor, Ansal Chamber II, 6, Bhikaji Cama Place, New Delhi 110 066
Tel: (011) 2616 5742, Mob: 93501 83222

Chennai: W-66, 2nd Street, Anna Nagar, Chennai 600 040
Tel: (044) 4266 3662, Mob: 93808 06777, 93459 70044

Mumbai: 211 B, Damji-Shamji Industrial Estate, 9 LBS Marg, Kurla (W), Mumbai 400 070
Tel: (022) 4215 5441 / 80809 14400

Hyderabad: H.NO-3-41-66, Sri Laxmi Nilayam, South Block, West Marredpally, Secunderabad 500 026
Tel: (040) 4015 0243, 93468 32266

Lucknow: 1/44 Vijayant Khand Gomti Nagar, Lucknow 226 010
Tel: 93361 20941

Chandigarh: 2nd Floor, SCO# 355, Sector 32-D, Chandigarh 160 031
Tel: 93562 78899

E-mail: sales@nidekindia.com, Website: www.nidekindia.com

