

# Cardiac Monitoring

## NIDEK ECG Machine

ECG-712

Bold, Robust and Intuitive

Nidek India's Electrocardiograph machines are one of the best 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 devices, are known for advanced signal processing algorithms. These enhance the quality of the ECG signal and ensure greater accuracy, especially in environments where patient movement, muscle contractions, or other artifacts could interfere with the reading. This could lead to clearer, more reliable ECG tracings compared to other models.

Nidek ECG-712 is ensured with highly accurate ECG recording & diagnostic capabilities.



### Key Features:

- 7 inch LCD
- Built in rechargeable Li-Ion battery
- Real-time ECG waveform, cases save / replay
- Adapt to 110 - 230V, 50 / 60 Hz, AC power supply
- Built in USB / interface
- Pacemaker detection available

|                                 |                                |   |
|---------------------------------|--------------------------------|---|
| Main Unit                       | Lead                           | Standard 12 leads   |
|                                 | Lead acquisition               | 12 leads synchronously acquisition  |
|                                 | Work mode                      | Man., Auto., Rhythm, Exam.  |
|                                 | Filter                         | AC Filter: 50Hz / 60Hz / Off<br>EMG Filter : 25Hz / 45Hz / Off  |
|                                 | CMRR                           | >120dB (with AC Filter)   |
|                                 | Input circuit                  | Floating: Protection against defibrillator effect   |
|                                 | Input Impedance                | >50MQ   |
|                                 | Electrode DC current           | s0.1pA  |
|                                 | Input dynamic range            | +5mVp-p DC bias voltage 20mV  |
|                                 | Patient current leakage        | <10pA   |
|                                 | Calibrating voltage            | 1mV+5%  |
|                                 | Lag                            | <0.5mm  |
|                                 | Sensitivity                    | 2.5, 5, 10, 20, 40, mm/mV (+3%)   |
|                                 | Paper speed                    | 12.5, 25, 50mm/s (+3%)  |
|                                 | System error                   | < +5% or < +40pV  |
|                                 | Impulse and frequency response | Method A and Method B system test method  |
|                                 | Inter-channel Interference     | <2%   |
|                                 | System Noise                   | <30p Vp-p   |
| HR range                        | 30-300 BPM (+1 BPM)            |   |
| Pacing pulse display capability | Amplitude                      | 2mV - 250mV   |
|                                 | Width                          | 0.1ms - 2.0ms   |
|                                 | Sampling rate                  | 4000Hz / channel  |
| Recorder                        | Recording way                  | Thermal dot matrix recording  |
|                                 | Recording format               | 6x2+R, 6X2+3R, 9x1, 12x1  |
|                                 | Paper Specification            | 80mmx20m, Roll paper  |
| Others                          | LCD display                    | 800x480 graphic 7 inch color LCD  |
|                                 | Patient cases storage          | 400 patient cases memory  |
|                                 | Communication interface        | USB, UART   |
|                                 | AC Power                       | 100V-240V (10%), 50/60Hz (±1Hz), power 60VA   |
|                                 | DC Power                       | Rated voltage / capacity: 14.4V/2200mAh Rated charging current: 1300mA ( constant voltage constant current)<br>Rated charging cycle number: not less than 500 times |
|                                 | Fuse specification             | TZAH/250W, φ5x20  |
|                                 | Measurement and weight         | 310mmx278mmx76mm, 3.0kgs.   |



**Nidek Medical India Private Limited**

Head Office: 238 B, A.J.C. Bose Road, Kolkata 700 020

Tel: (033) 4017 7000, E-mail: sales@nidekindia.com

Website: www.nidekindia.com

Branch Locations:

New Delhi | Mumbai | Chennai | Hyderabad | Lucknow

Pune | Nagpur | Ahmedabad | Chandigarh | Indore

Bangalore | Kochi | Guwahati

Customer Care: +91 93395 66444