

NECG-12C Resting ECG system

Technical Specifications



- Ideal for small clinics and private practices
- Simultaneous 12 channel analysis with interpretational recommendations
- High quality digital filter for correction of baseline shift, signal noise from EMG and high frequency
- LCD color display 800*480 TFT
- Alpha numeric keyboard and one-touch oper.
- Continuous impedance test with warning in case of cable loss or bad impedance
- Recording capability of more than 4 hours when running on rechargeable battery
- Automatic recharging of the built-in Li-Ion battery when connected to mains power
- Integrated high res. A4 size thermal printer
- Different free selectable print formats

Distributed by:

Leads	12 standard leads
Defibrillation protection	Protected against 360 J discharge
Acquisition Mode	Simultaneously 12 leads
A/D Resolution	24 bits
Time constant	≥ 3.2s
Frequency response	0.05Hz – 150Hz (-3dB)
Sensitivity	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input impedance	≥ 50MΩ (10Hz)
Input circuit current	≤ 0.01μA
Input voltage range	< ± 5mVp-p
Calibration voltage	1mV ± 2%
DC Offset voltage	± 600mV
Noise	≤ 12.5μVp-p
Multi channel crosstalk	≤ 0.5mm
Notch Filter	On/Off, 50Hz or 60Hz
DFT Filter	0.05, 0.15, 0.25, 0.32, 0.5, 0.67Hz
EMG Filter	25Hz, 35Hz, 45Hz, Off
Lowpass Filter	150Hz, 100Hz, 75Hz
CMRR	≥ 115dB
Sampling frequency	1000Hz
Pacemaker Pulse detection	Yes
Amplitude / Width:	±2mV – ±700mV / 0.1ms – 2.0ms
Sampling:	10,000/sec/channel
External input	≥ 100kΩ; Sensitivity 10mm/V ± 5%
External output	≤ 100Ω; Sensitivity 1mm/mV ± 5%
Mains supply	0.9 to 0.4A input current
Voltage:	100 to 240V
Frequency:	50Hz / 60Hz
Built in Lithium Battery Pack	When the battery is fully charged the NECG-12 can work normally about 4 hours and can record about 1.5 hours in Manual mode.
Rated voltage:	14.8V
Rated capacity	Rated capacity: 2200mAh
Charge mode:	Constant current / voltage
Thermal dot-matrix Recorder	A4 size 210 x 295mm
Paper:	Folded 210/140mm
Dimensions	361mm x 262mm x 135mm
Weight	Approx. 4.2kg (w/o paper and batt.)
Temperature	Operating: +5° to +40°C Storage: -20° to +55°C
Relative humidity	Operating: 25 to 80% non-condens. Storage: 25 to 93% non-condensing
Certification	CE, FDA approved

*Norav Medical reserves the right to make changes to the specifications without prior notice.