

# NECG SE-1200 Pro

## Advanced 12-Lead Electrocardiograph



The SE-1200 Pro delivers high-quality 12-lead ECG recordings with Glasgow automatic interpretation and DICOM connectivity, making it ideal for clinics and hospitals. Designed with caregivers in mind, the device supports smooth workflows by automatically recording ECGs once the signals are properly sampled. It also provides timely alerts for lead wire misconnection or pacemaker detection, ensuring accurate and efficient monitoring.

### NORAV NECG SE-1200 Pro

- Real 12-lead digital ECG
- Automatic measurement and interpretation
- 8" Color Touch Screen
- Built-In Thermal Printer

The registered ECG data can be transferred from the NECG SE-1200 Pro to the Norav ECG Management System NEMS-Q at any time for further processing or archiving.

### Outstanding features :

- 80 kHz High Sampling Rate for Precision
- Glasgow automatic interpretation
- Auto Pacemaker Detection with Independent Detection Channel
- Gesture-Based Amplification and Measurement of Waveforms
- Advanced AI Algorithms for Disease Detection and Notifications
- Seamless Integration with EHR/HIS (DICOM, HL7, GDT)
- Automatic Signal Recording with Reverse Electrode and Lead Connection Warnings
- Serious Disease Red Alerts for Urgent Diagnoses
- Comprehensive Report Comparison Tools
- Averaged Template Analysis with Manual Recalculation
- Pacemaker and Late Potentials Detection
- Self-Adapt AC Filtering for Clear ECG Signals
- 8-Inch High-Resolution with Color Display
- Touch-Screen Interface
- Dedicated Function Keys
- Compact and Lightweight Design
- Built-In Thermal Printer
- Durable, Easy-to-Clean
- Battery Backup
- Multi-Language Support

## NECG SE-1200 Pro Specification

<b>Physical Specifications</b>	Dimensions	29.8cm x 20.9 cm x 10.3cm
	Weight	3 kg
	Display	8" 1280 x 800 Color LCD touch screen
<b>Power Supply</b>	Mains Supply	Input: 100V~240V, 50Hz / 60Hz AC; Power adapter output: 19V, 2.53A
	Internal Li-ion Battery	14.8V, 2500mAh; charge time ≤ 3 hours (4 hours continuous printing, 250 ECG reports)
<b>Recording</b>	Recorder:	Thermal dot-matrix recorder
	Printing Density	8 dots per mm / 200 dots per inch (amplitude axis)
	Recorder Paper	40 dots per mm / 1000 dots per inch (time axis, @ 25 mm/s)
	Paper Speed	Folded thermal paper, 210mm×140mm
	External Printer	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s  Direct USB: HP DeskJet 1110 series, DeskJet 2130 series, DeskJet 3630 series, DeskJet 4720 series, HP LaserJet 400 M401d, HP LaserJet P2035, HP LaserJet M403d, HP LaserJet Pro M202dw, HP LaserJet 1020, WiFi printing: HP LaserJet Pro M202dw and, HP Desk Jet 3638, Samsung Xpress M2021w.
<b>ECG Unit</b>	Lead	12 standard leads; simultaneous acquisition
	A/D Resolution	24 bits (0.1575 μV/LSB)
	Sampling Frequency	64000 Hz
	Time Constant	≥5s
	Frequency Response	0.01Hz ~ 350Hz (-3dB)
	Gain	1.25, 2.5, 5, 10, 20, 10/5, AGC (mm/mV) (±5%)
	Input Impedance	≥ 100MΩ (10Hz)
	Input Voltage Range	≤ ±5 mVpp
	CMRR	≥ 140dB (AC on)
<b>Pacemaker</b>	Amplitude; Width	±2 to ±700 mV; 0.1 to 2.0 ms
<b>Filter</b>	AC Filter	50/60Hz
	DFT Filter	0.01Hz/0.05Hz/0.32Hz/0.67Hz
	EMG Filter	Off/25Hz/35Hz/45Hz
	LOWPASS Filter	350Hz/300Hz/270Hz/150Hz/100Hz/75Hz
<b>Data</b>	Network Interface	Ethernet, WiFi (Optional), 4G(Optional)
<b>Safety</b>	Comply with	IEC 60601-1:2005/A1:2012; EN 60601-1:2006/A1:2013; IEC 60601-1-2:2014; EN 60601-1-2:2015; IEC/EN 60601-2-25
	Anti-electric-shock type	Class I with internal power supply
	Anti-electric-shock degree	CF type with defibrillation-proof
	Patient Leakage Current	NC <10μA (AC) / <10μA (DC); SFC <50μA (AC) / <50μA (DC)
<b>Environment Specifications</b>	Temperature	Working: +5°C (+41°F) ~ +40°C (+104°F) Transport & Storage: -20°C (-4°F) ~ +55°C (+131°F)
	Relative Humidity	15%~95% Non-Condensing
	Atmospheric Pressure	Transport & Storage: 70kPa ~106kPa Working: 70kPa ~106kPa