

NECG SE-301 Specification

Physical Specifications	Dimensions	224 mm×143 mm×54 mm
	Weight	1kg (Excluding recorder paper and battery)
	Display	5 inch, 800×480 multicolor LCD touch screen
Power Supply	Mains Supply	Input: 100V-240V, 50Hz/60Hz AC; Power adapter output: 19V, 2A
	Internal Li-ion Battery	14.8V, 2500mAh; charge time≤3.5 hours (5 hours continuous printing, 500 ECG reports)
Recording	Recorder:	Thermal dot-matrix recorder
	Printing Density	8 dots per mm / 200 dots per inch (amplitude axis) 40 dots per mm / 1000 dots per inch (time axis, @ 25 mm/s)
	Recorder Paper:	Folded thermal paper, 80mm×70mm×200pages Rolled thermal paper, 80mm×20m
	Paper Speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
	External Printer	HP 1010/1510/2010/1050/2000, HP M401/2015/2035/1525, HP 1020/1020PLUS/1106, or HP 1505
ECG Unit	Lead	12 standard leads; simultaneous acquisition
	A/D Resolution	24 bits (0.1575 μ V/LSB)
	Sampling Frequency	16,000 Hz
	Time Constant	≥ 3.2 s
	Frequency Response	0.01Hz ~ 300Hz (-3dB)
	Gain	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
	Input Impedance	≥ 50 M Ω (10Hz)
	Input Voltage Range	$\leq \pm 5$ mVpp
	CMRR	≥ 140 dB
Pacemaker	Amplitude; Width	± 2 to ± 700 mV; 0.1 to 2.0 ms
Filter	AC Filter	On/Off (50/60Hz)
	DFT Filter	0.01Hz, 0.05Hz, 0.32Hz, or 0.67Hz
	EMG Filter	Off/25Hz/35Hz/45Hz
	LOWPASS Filter	300Hz / 270Hz / 150Hz / 100Hz / 75Hz
Data	Network Interface	Ethernet, WiFi (Optional), 4G(Optional)
Safety	Comply with	IEC 60601-1:2005/A1:2012 , EN 60601-1:2006/A1:2013, IEC 60601-1-2:2007, EN 60601-1-2:2007/AC:2010, 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 <10 μ A (AC) / <10 μ A (DC); SFC <50 μ A (AC) / <50 μ A (DC)
Environment Specifications	Temperature	Working: +5 $^{\circ}$ C (+41 $^{\circ}$ F) ~ +40 $^{\circ}$ C (+104 $^{\circ}$ F) Transport & Storage: -20 $^{\circ}$ C (-4 $^{\circ}$ F) ~ +55 $^{\circ}$ C (+131 $^{\circ}$ F)
	Relative Humidity	15%~95% Non-Condensing
	Atmospheric Pressure	Transport & Storage: 70kPa ~106kPa Working: 86kPa ~106kPa