

3 Channels Electrocardiograph

Model : A80



- Simultaneous acquisition of 12 leads ECG data
- Pace pulse detection and defibrillator protection
- 3 Channels Display and 3 channels recording
- High resolution 3 inch Thermal Printer
- Large LCD screen , 480x128 pixels
- Data transmission via RS232 to USB
- 50 patients storage on internal memory



3 Channels >> Model: Negar A80

Technical characteristics:

Input circuit:	Floating system
ECG lead:	Standard 12-Lead
Operation mode:	Auto/Manual
Baseline control:	Automatic position
Input impedance:	$\geq 20M\Omega$
Input current circuit:	$\leq 1\mu A$
Calibration Voltage:	1mV
Skin Voltage tolerance	$\pm 300mV$
CMRR:	$\geq 80db$
Time constant:	$> 3.2s$
Recording sensitivity:	5, 10, 20 mm/mV
Frequency response:	0.05Hz-150Hz (-3dB)
Hum filter:	50Hz
EMG filter:	20Hz, 30Hz
Drift filter:	0.2Hz
A/D conversion:	16bit
Sampling rate:	500Hz, 2ms

Display, Recorder

Display:	LCD (480dot $\times$ 128dot)
Recording system:	72mm thermal printer (8dot/mm)
Recording paper:	Z-fold paper, 80mm
Paper speed:	12.5, 25, 50 mm/s

Power requirement

Power supply:	AC, 180 to 230V, 50/60Hz
Power consumption:	40VA
Battery:	9.6V/2400mAh, Ni-Mh Rechargeable
Charging time:	6 hours

Dimensions, Weight

Dimensions:	300mm $\times$ 230mm $\times$ 70mm
Weight:	1.8Kg

Safety (IEC 60601-1)

Type of protection:	Class I and the internal power source
Degree of protection:	Type CF applied part

Environmental conditions in operation

Temperature:	10°C to 40°C
Humidity:	25% to 95%
Atmospheric pressure:	700hPa to 1060hPa

