



## 6 Channels Electrocardiograph

**Model : A110**



- Simultaneous Acquisition of 12 leads ECG
- 7inch color display, 800×480 pixels
- 110mm paper width up to six channels recording simultaneously
- Data transmission with LAN, USB, Wi-Fi
- HIS and PACS connectivity
- Export data formats: PDF, HL7, SCP, SCV, DICOM
- Direct connection with some laser printers
- Auto and manual modes up to 3 rhythm leads
- Digital filters and anti-drift filter for baseline correction
- Internal storage capacity for 400 patients, each patient up to 10 records
- Multi-language support
- Lead-off indicator with alarm
- AC and battery operation

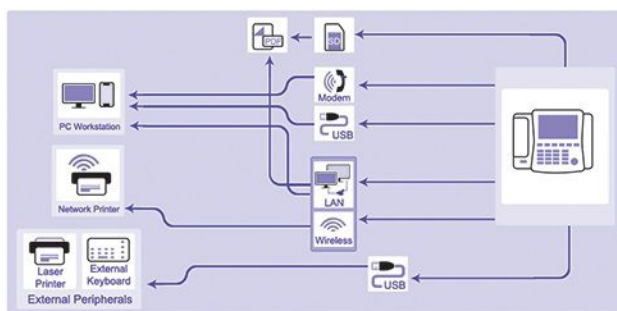


## Electrocardiograph

**6 Channels** ➤ **Model: Negar A110**

Specifications	
Computerized Measurements:	12-lead analysis
Digital sampling rate	1000 samples/second
Acquisition mode	Pre-acquisition or post-acquisition provide 10 seconds of instantaneous ECG acquisition
Dynamic range	AC differential $\pm 10\text{mV}$ , DC offset $\pm 300\text{ mV}$
Resolution	10 $\mu\text{V/LSB}$
Frequency response	0.05 to 150 Hz
Human filter	50Hz, 60Hz
EMG filter	20Hz, 30Hz
Drift filter	0.2Hz , automatic(ADF)
Common mode rejection	>90 dB
Pace detection	Pulsed with amplitude between $\pm 2\text{mV}$ and $\pm 700\text{mV}$ and duration between 0.2ms and 2 ms duration shall be detected
Heart rate meter	30 to 300 BPM max error: 5 BPM
Operating system	linux
Display:	
Display type	7" color TFT
Display resolution	800 x 480 pixels
Display data	Heart rate, patient ID, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, and warning messages
Traces	3-Lead and 12-Lead display
Physical specifications:	
Dimensions:	Physical specifications: 120 x 330 x 280 mm (H x W x D)
Weight:	3.0 kg including battery

Recorder:	
Writer technology	Thermal dot array
Writer speed	12.5 , 25 , 50mm/sec
Number of traces	3,4,6 ECG traces
Paper type	Thermal. Z-fold (140mmx110mm) Roll paper 110mmx25m
Software options:	
Resting ECG Mode	Records and prints 12-lead resting ECGs with 10 seconds duration as a standard feature
PDF output	Supports exported ECG in PDF format
Communication	
internal modem	
USB port	
RJ45 port	
Secure Digital card	
External peripherals USB	
Keyboard	Standard USB English keyboard
Laser printer	Supports most of HP laser printers
Standards:	
IEC 60601-1-1	Medical Electrical Equipment: General Requirements for Safety
ANSI/AAMI EC11	Diagnostic Electrocardiographic Devices
Electrical:	
AC Power supply:	180~230 VAC
Battery type:	rechargeable: 11.1V@ 4.4 AH Lithium-Ion



B404-Isfahan Science & Technology Town,  
Isfahan University of Technology Blvd, Isfahan, IRAN.  
Tel: +98-31-33932378 Mob:+98-9130311004 Fax: +98-31-33932377