



# Electrocardiograph

EKG Series

EKG I



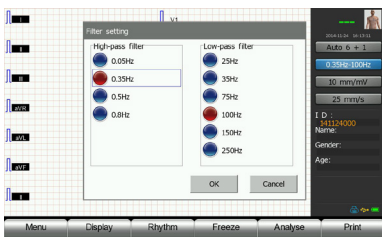
International group medical technology  
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# Product features:

## Main features:

- 7" LCD screen
- Unique ECG data acquisition module
- Independent lead wires
- Alphanumeric keyboard
- Supports USB / SD card/ internal storage
- Build-in LAN and wifi-option
- Auto- and manual recording
- Long term recording up to 300sec
- Analysis for children and newborn
- Onscreen operation guide
- Analysis interpretation by Miniesota code with CSE & AHA database support
- Very high sensitivity and specificity of QRS detection
- Four sensitivity levels
- Data format: pdf, jpeg, dicom, xml
- Rechargeable battery for up to 3h working time

## Analysis for children and newborn



- Complete digital filters, avoid baseline drift, AC, EMG interference
- 0.05Hz high-pass, extra sensitive in weaker ECG signal detection, contributed to undistorted ST segment measurement and analysis
- 250Hz low-pass, exclusive module for children and newborns

## 30-300 seconds of R-R analysis and arrhythmia dection

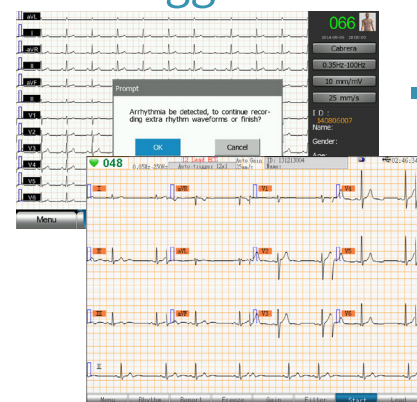


30-300 seconds of RR interval analysis with RR histogram to help clinical staff to better determine the arrhythmia

- Up to 200 kings of arrhythmia analysis

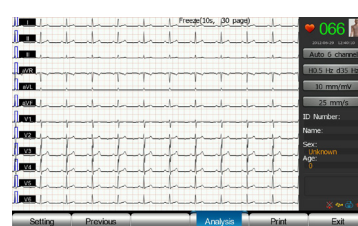
Auto-printing function when detecting arrhythmia helps to keep an eye on any potential hear deaseases

## Auto-trigger mode



- The auto-recording function triggers as soon as the arrhythmia is detected

## Wave form freezing



- Real time wave form and record freeze
- Lastest 300 seconds of waveforms are reviewable and recordable

## Specifications:

Patient cable	Standard 12-lead cable with defibrillation-proof function
Lead	Standard 12-leads simultaneous acquisition
Display	7" LCD screen, whole instrument work status, time, heart rate
Long term recording	Record for a long term (30sec ~ 300sec) and rhythm analysis
Measurement parameters	Ventricular rate, PR interval, QRS time limit, QT/QTc interval, P/QRS/T axis, RV5/SV1 amplitude and RV5+SV1 amplitude
Filters	AC, drift and myoelectric filters
CMRR	> 89dB
Input impedance	> 50m $\Omega$
Frequency response	0.05 ~ 250Hz
Patient leakage current	< 10 $\mu$ a
Input circuit current	$\leq$ 0.1 $\mu$ a
Time constant	$\geq$ 3.2s
Sensitivity	2.5, 5, 10, 20mm/mv
Paper speed	5, 6.25, 10, 12.5, 25, 50mm/s
Recording paper	80mm paper roll 80mm x 90mm x 300 P/Z fan-fold paper
Operation mode	Automatic, manual, rhythm
Calibration rates:	1mV, zeroing reset, auto-base line correction
DC	14.8V rechargeable li-ion battery, 3h working time
Safety level	IEC class II, type CF
Power supply AC	100-240V, 50/60Hz, 110 VA
Environment requirements	Temp.: +5°C ~ +40°C Relative humidity: $\leq$ 95% (no condensation) Air pressure: 86KPa ~ 106 KPa
Supporting various data memory	Internal memory up to 3000 files, SD card for massive data storage, External USB flash driver for easy data transmission
Dimensions, weight	290mm x 245mm x 99mm (LxWxH), ~2.4kg

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Frequency response from 0.05-250Hz, special for  
paediatric diagnosis

Supporting R-R interval analysis, arrhythmia detection,  
cabrera, brief and detail analysis reports

