Portable, affordable PC-based EKG solution with powerful data and analysis functions

PC, printer and stand not included

Affordable EKG Solution

The DRE Velocity EKG PC-based EKG includes a data acquisition module and analysis software for acquiring, analyzing, storing and reviewing 12-channel ECGs. It's great for hospitals, physician offices and laboratories.

Easy to install!

Simply install the software and connect the DRE Velocity EKG to your PC or laptop and you're ready to go.

Features include:

» 12-lead real-time waveforms and ST segment/trend graphics display.

» The software's powerful data and analysis functions assist with diagnosis

» Email reports in XML, SCP, PDF, Word and JPEG formats.

» Advanced analysis functions: Vector ECG (3-D), timed VCG, signal average electrocardiograph (SAECG), heart rate turbulence (HRT), QT interval dispersion, high frequency ECG, and frequency spectrum cardiogram.

» Optional customized exercise protocol for Bruce and Modified Bruce control treadmill; bicycle and exercise blood pressure devices compatible with leading treadmills.

» Print clear reports the moment you need them on plain paper.

HF ECG *FECG* *Powerful database* *VCG 3-D*

SAECG *HRV* *HRT* *QT interval dispersion*

Options

» Stress test and exercise blood pressure monitoring function

» Support manual input of blood pressure value

Technical specifications

Dimensions	5.8" (l) x 3.9" (w) x 1.6" (h)
	148 mm (l) x 100 mm (w) x 40 mm (h)
Weight	Approx. 0.46" (210 g)
Connection to PC	USB port
Power supply	DC 5V from USB port
Input circuit	Defibrillation protection built-in
Lead	Standard 12 leads
Acquisition mode	12 leads simultaneously
Sampling rate	1000Hz
A/D converter	12 bits
Input voltage range	±5mVpp
Time constant	> 3.2s
Frequency response	0.05Hz ~ 150 Hz
Calibration voltage	1mV ± 2%
Sensitivity	2.5, 5, 10, 20 (mm/mV)
Input impedance	50M Ω (10Hz)
Input circuit current	<50nA
Noise level	<15 µVp-p
Baseline drift filter	Baseline forward and backward filter (patent pending)
Patient leakage current	< 10 µA (220V - 240V)
Patient auxiliary current	<0.1 µA (DC)
Filter:	
– EMG filter	25Hz/35Hz/45Hz/off
– Baseline drift filter (patent pending):	Strong/weak/off
– Lowpass filter	150 Hz/100 Hz/75 Hz
– AC filter	50 Hz/ 60 Hz
CMRR	>110dB
Rhythm lead	Single lead or three leads selectable
Safety standard	IEC II/CG

PC Requirements

Operating system	Windows 2000, Windows XP, Windows Vista or Windows 7
CPU	Pentium P4, Celeron D 310 or above
RAM	256 MB or above
HDD	40G or above
Interface	At least 2 USB ports free