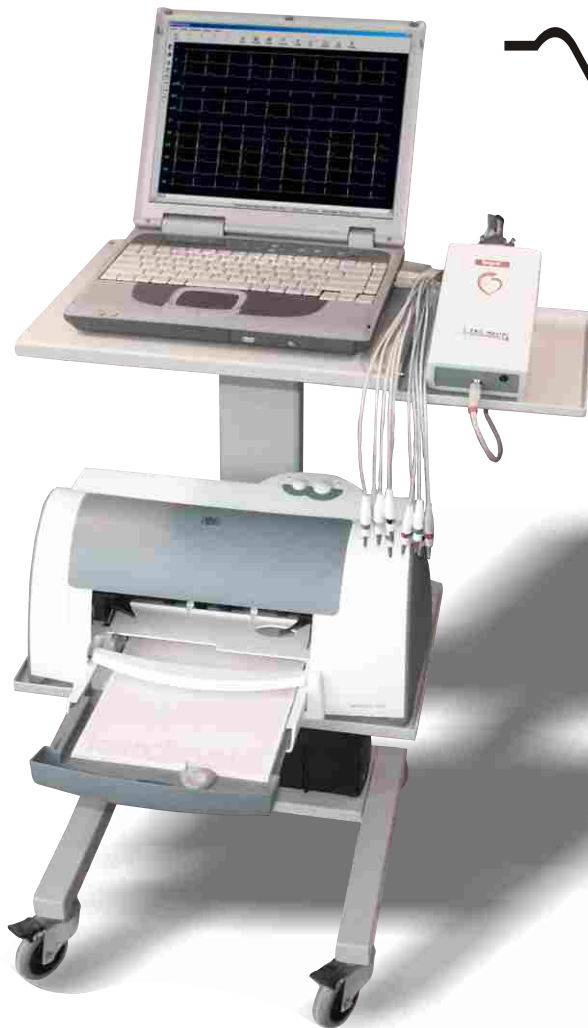




Technology
Award Winner
2002

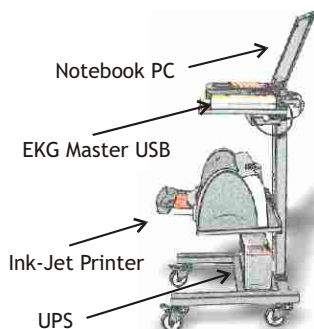
EKG Master 12 Channel PC based ECG **USB** with Trolley & Printer



Technical Specifications →

MOBILE & INNOVATIVE

PC based ECG System with USB connection



ECG System Features

- ☑ 12 leads of ECG
- ☑ Powered by USB port
- ☑ ECG software Windows compatible
- ☑ Print out on normal A4 size paper
- ☑ Print out from any kind of printer
- ☑ Automatic calculation of parameter
- ☑ Modem interface
- ☑ High capacity for ECG data storage

SOFTWARE "WinEKG" SPECIFICATIONS

12 leads real time and simultaneous acquisition and monitoring of ECG signals

User selectable display formats:
1 to 12 leads, easy to configure

Long term recording and monitoring up to 1hour

Software filters: 20, 40, 100 and 150Hz low pass, 0,5Hz high pass and line interference filters

Signal gain:
2.5, 5, 10, 20, 40, 80 mm/mV (display)
5, 10, 20 mm/mV (print out)

Time scale: 5, 10, 25, 50, 100 mm/sec (display)
10, 25, 50 mm/sec (print out)

Automatic calculation of ECG parameters

Patient data entry

Selectable display colors for background, grid, signal and text

Print out on normal A4 paper

ECG data archiving and reviewing

Software available in English and Turkish (other languages on request)

ECG RECORDING

Data acquisition 12 channels

Standard leads: DI-DIII, aVR, aVL, aVF, V1-V6

Optional leads: Vx, Vy, Vz

Dimension: 190x40x100 (mm)
Weight: 390 gr

Sampling rate: 500 -1000 sample/sec selectable (standard)

Frequency response: 0.05 - 300 Hz

Time constant: 3.2 sec

Common mode rejection ratio (CMRR): 120 dB

Sampling sensitivity: Better than 0.4 μ V

Resolution: 16 bit A/D conversion

Defibrillator protected input circuits and patient cable

POSTPROCESSING

Reviewing and repoting of complete ECG data

Full disclosure print out

Adjustable display formats while reviewing

Recalculation and reporting of ECG parameters

PC REQUIREMENTS

PC or Notebook with USB port

MS Windows 98/ME/2000

Power Consumption: 240 mA max. from USB port

Suspend Current: Less than 500 μ A

Note: With some Notebooks, Notebook may need to be connected to its own power adapter while ECG is running.

PATIENT SAFETY

Patient Leakage Current: Less than 10 μ A

Meets EN 60601-1 patient safety specifications



Designed to meet EN 60601-1 patient safety specifications.



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