Additional Features

- Comprehensive auto-measurement as standard (CardioDirect 12M)-(CardioDirect 12MI) with 12-Lead interpretation
- Resting ECG for 10 seconds and Rhythm for up to 1 hour
- Lead check facility
- Multiple acquisition programs including (Einthoven, Goldberger, Wilson, Nehb and Frank)
- Optional 12-Lead interpretation
- Emergency recording/monitoring facility
- Make detailed interval measurements on any selected complex
- Recognizes pacemaker pulses
- Electronically compare up to 5 ECGs from the same patient
- Comprehensive list of print formats
- Connection to PC via USB port

Specification

Unit Specifications
Input range -316 mV to + 316 mV
CMRR 120 dB
Analogous Bandwidth -3Db 0 to 150 Hz
Acquisition Resolution 18 bit
Acquisition Sample Rate 2000 Hz
Pacing spike detection =200µs, >=2 mV Pacing detection method

USB Interface
Cable length 3m
Complies with USB specification version 2.0

PC Minimum Specification for Resting and Rhythm ECG
Pentium IV (1 GHz)
256MB RAM
500MB disk
1024 x 768 Display resolution
CD reader
1 free parallel port (for recommended printer)
2 free USB ports (for CD 12m dongle and CD12 USB device)
Backup drive (DVD RAM, CD writer, etc) recommended
Windows 2000 SP4, Windows XP SP2

PC Minimum Specification for ECG Stress testing
Additional requirements over the CardioDirect 12 system for Resting and Rhythm ECG:
Pentium IV (2 GHz)
512 MB RAM
1GB disk
2 free serial (COM) ports
3 free USB port

SPACELABS Healthcare

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Specifications subject to change without notice

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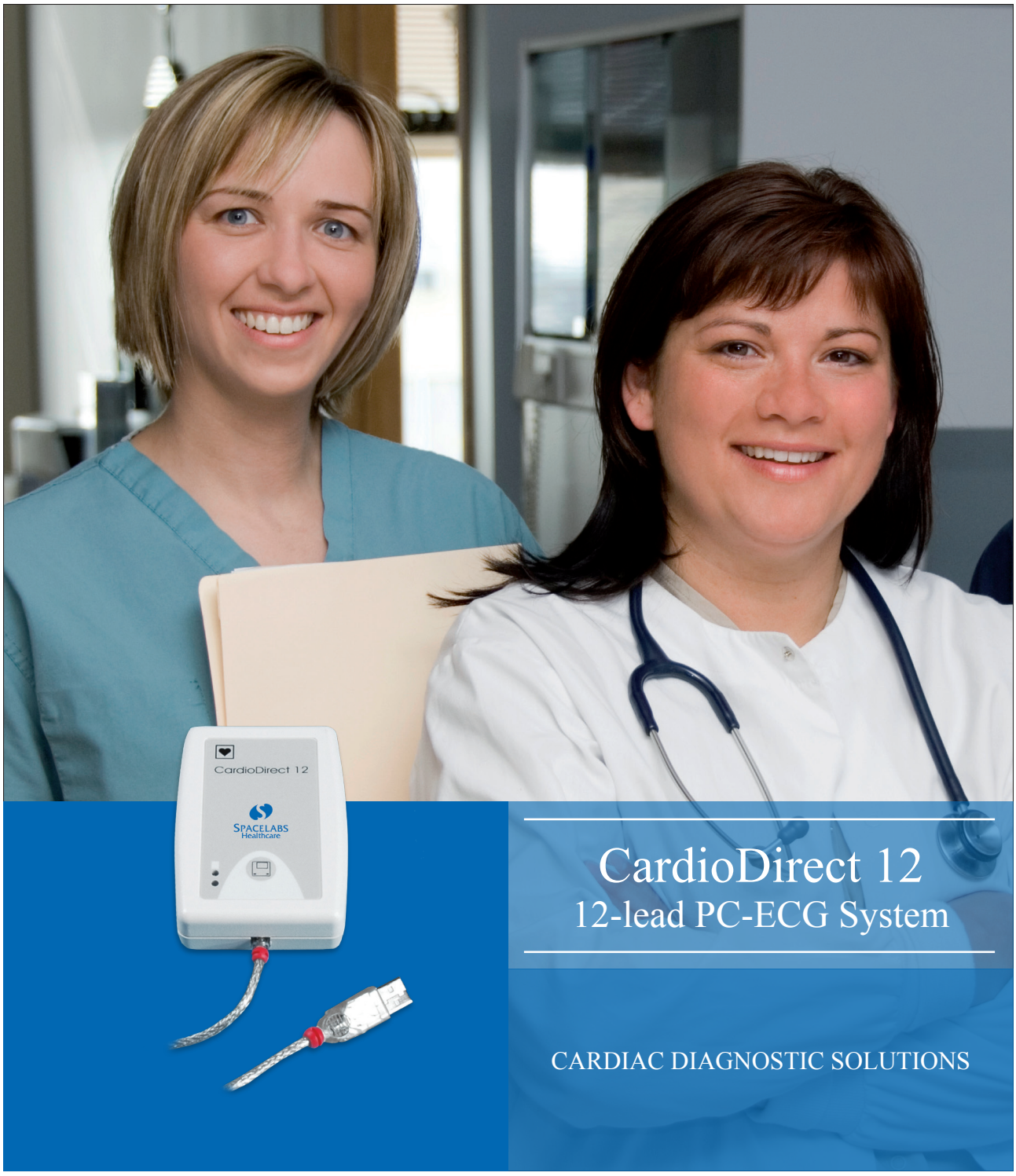


CardioDirect 12

12-lead PC-ECG System

CARDIAC DIAGNOSTIC SOLUTIONS

SPACELABS
Healthcare

12-Lead ECG from your own PC

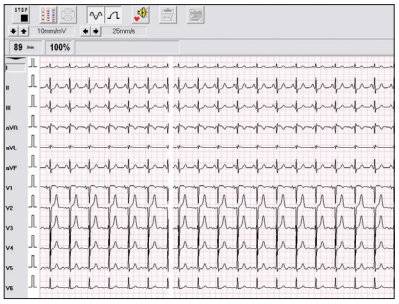
CardioDirect12 turns your PC into a dedicated 12-channel ECG machine with affordable plain paper printing.

Simple software installation and straightforward USB connection to the PC, lets you get started right away. ECG reports can be stored in the CardioNavigator database that can also be networked.

Comprehensive Kit

Fast & Accurate ECG Acquisition

CardioDirect12 offers a flexible Digital solution for the acquisition, analysis and communication of resting 12-Lead ECG.

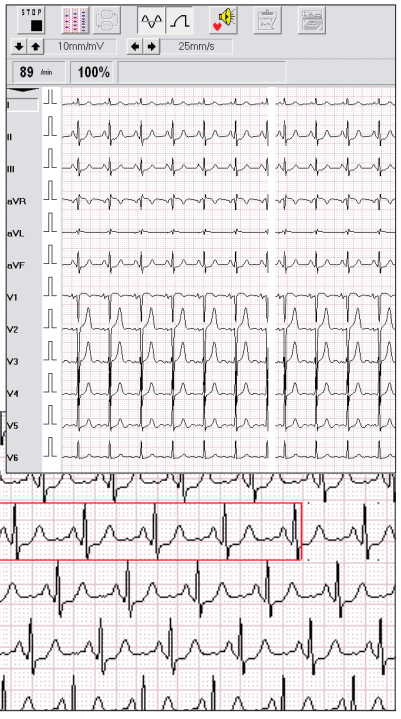


Clear and simple screen layout

Resting Mode
The real time ECG is displayed on screen, the operator can then choose the most satisfactory ECG.

Rhythm Mode
The ECG is displayed and recorded continuously for up to 1 hour. The 12-Lead rhythm ECG can then be viewed and printed. Operator selected 12-Lead ECG reports can be added.

Practical
- Simple user interface for ease of use
- User defined lead programs
- 3, 6 or 12 channel views
- Baseline, AC and muscle filters
- Amplitude and paper speed can be changed real time or post acquisition



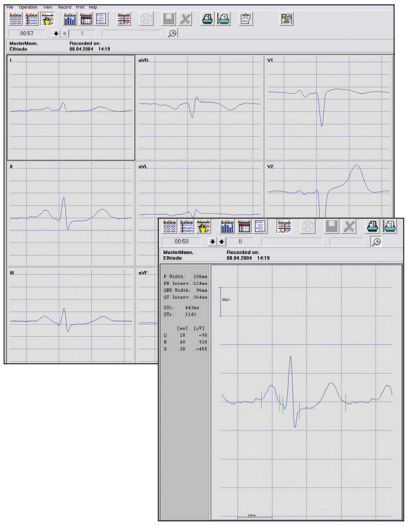
Select 12-Lead ECGs from the full disclosure

Review & Analysis Tools

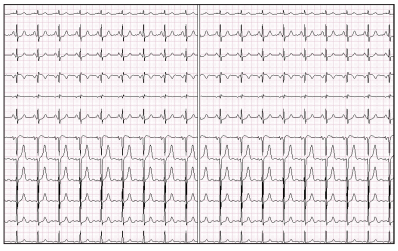
Measure
CardioDirect12 is supplied with a comprehensive auto-measurement package that includes RR intervals, P-wave duration, PQ interval and QRS width.

Interpret
Once downloaded into C-NAV, the Interpretation option provides a comprehensive analysis and report including measurements, rhythm and findings. Comments can be added to the automatic results which can be included or disabled on the printout.

Interact
Individual beats can be selected and zoomed in, with on screen callipers to measure the QRS complex in detail. Measurements are then included on the printed ECG.



Make detailed interval measurements on any selected complex



Electronic serial comparison of up to 5 previous ECGs

Data Management & Networking

CardioNavigator is a centralized data management system for communication and integration of data from all of our products.

CardioNavigator Provides:

- A central SQL or Paradox database of recordings and reports that can be accessed for analysis or review from any networked system
- Network viewing of reports including viewing, editing and analysis of results including local printing
- Electronic transmission of recordings or results via e-mail to other users of CardioNavigator
- HL7, Bidirectional interface to hospital information systems
- Reports can be stored in PDF or RTF format
- Network, CD or DVD archiving of databases for backup