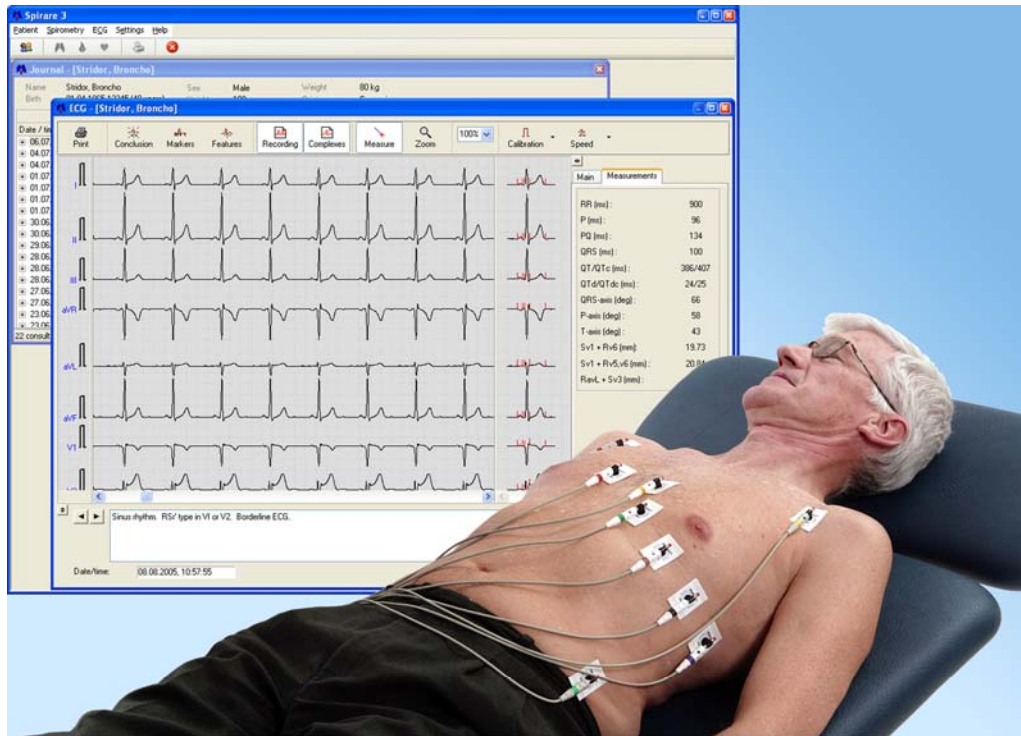


# SPIRARE®



## ECG

- 12 lead recorder
- 2000 Hz sampling rate
- Automatic analysis
- Superimpose complexes
- Advanced network options

**Spirare** is an advanced, yet simple to use system for ECG and spirometry\*. Highly user friendly, it is intended for the general practitioner, but has advanced add-ons for occupational health care units, as well as specialists, outpatient clinics and hospitals.

The Spirare ECG system provides state-of-the-art ECG recording and analysis.

This highly functional ECG system is easy to use due to its intuitive and attractive interface. Automatic interpretation serves as a guide for diagnostic conclusions.

It provides a high resolution 12 lead recording, as well as several options and tools for advanced analysis. There are no batteries or external power supply, thanks to the USB interface.

The advantages of the Spirare ECG system includes easy retrieval of previous recordings, superimposing of QRS complexes and comparison of QRS-width, ST-deviation, PQ- and QT-time.

**Together** with the Spirare spirometry module, you get an advanced cardio-pulmonary diagnostic system.

The ECG and spirometry systems share the same patient database and user interface. This makes it easy to do investigations with both spirometry and ECG in the same patient.

The Spirare ECG system is particularly suitable for physicians using electronic patient management systems (EPJ), and was developed with both the general practitioner and specialist in mind.

Additional Spirare modules are available for extended network support and for use in hospital settings (portable).

\* For details regarding spirometry, please refer to separate brochure.

*– Every beat counts*

**the standard in network ECG**

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### Spirare software

Use	Stand-alone or integrated with patient journal system / electronic medical record (EPJ/HIS/EMR)
ECG tests	Rest ECG and rhythm analysis
ECG Parameters	RR, P, PQ, QRS, QRS/QTc, QTd/QTdc, QRS-axis, P-axis, T-axis, etc.
System requirements	Operating system: Windows 2000/XP/2003/Vista Processor: Pentium III 500MHz or faster USB support Monitor resolution: 800 × 600 or better Free disk space: 50MB minimum (depending on no. of tests)
Database options	Standard database (1-15 users on LAN) or Client/Server database (15+ users, WAN or terminal server installations)
Supported networks	Standard database: Single workstation, LAN, Linux server with Samba Client/Server database: LAN, WAN, NT Terminal Server / Citrix MetaFrame
Supported spirometers	Spirare SPS310 ultrasonic sensor, <i>ndd</i> EasyOne and some models of MicroMedical MicroLoop / MicroLab / MicroPlus / MicroDL
Supported ergometers	Monark Ergomedic 839E
Supported ECG recorders	Spirare ECG recorder, MeditSense 100B

### Spirare ECG recorder

No. of leads	12 (standard or Cabrera) with broken lead detection
Sampling rate	2000 Hz
A/D Resolution	16 bits at 200 Hz
Dynamic input range	32 mV peak to peak
Frequency response	0.05 – 500 Hz (at 2000 Hz)
Input impedance	> 10 M Ohm
Filters	Bandstop: 50 / 60 Hz High pass: 0.05 Hz Low pass: 40 / 100 / 160 Hz
ECG cable	12 lead cable with banana, snap or clip connectors
Connector	USB 1, type A
Power supply	From host PC
Dimensions	180 x 95 x 35 mm
Weight	300 g
Device compliance	CE-0470 certificate, Class IIA equipment NEMKO certificate EN 60601-1, EN 60601-1-1 and EN 60601-2-27 Level CF defibrillator proof Water resistant according to IPX4 (for outdoor use)

Manufactured by:

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