Cardio M-PC

USB-PC ECG

- 12-Channel ECG, Einthoven, Goldberger, Frank, Nehb
- Interval- (8 / 16 / 32 sec) and continuous ECG recording
- ECG presentation and comparison
- Automatic measurement and interpretation using Mortara-Rangoni Algorithm
- Heart-Rate-Variability (HRV) arrhythmia detection
- 2D / 3D vector
- Emergency ECG
- Network for up to 256 working stations (option)
- Expandable with spirometry, holter NIBP, holter ECG
- GDT / HL7 interface

medical ECONET

GERMANY

ECG Specifications	
Sampling rate	2000 Hz per channel
Input impedance	> 10 MOhm
Precision	0,05 µV/bit
A/D converter	24 Bit
Patient protection	floating common (IEC-601, BF type)
Shock protection	Class II
Defibrillator protections	5 kV (max. 1kV/msec)
Resolution	2,44 µV/bit (12 bit A/D)
CMRR	> 120 dB
Polarization voltage	400 mV
Time constant	1,6 sec
Linearity error	< 0,5% < ½ LSB
Filters	524 Hz low pass (hardware, constant) 50, 100, 200 Hz (changeable) 60, 120 Hz (changeable) 35 Hz tremor (changeable)
Leads	12 Standard, Frank, Nehb
PC Connection	via USB
Power supply	via USB port: + 5 V (100 mA)
ECG Connection	15 pin standard
LED Status indication	yellow LED slow blinking = USB connected solid light = ECG monitoring
Safety	IEC 601, class II, Type BF
Dimensions	131 x 73 x 25 mm
Weight	140 g

Software	
Measurement / Interpretation	Mortara-Rangoni (also for children > 2 years))
Interface functions	GDT, HL7, DICOM, HRV, Arrhythmia detection, 2D / 3D ECG vector, emergency ECG, ECG report transmission via Internet, ergometry

PC-requirements	
Operating system	Windows 7, Windows 8
Processor	min. 1,6 GHz Dual Core
Memory	min. 2 GB RAM
Hard disc	min. 500 GB
Interface	1 x free USB port

The most modern combination of microelectronics and supreme ECG software. Cardio M-PC is an ideal module to record and analyze recorded ECGs. It meets all the requirements of modern PC technology. Integrated USB port enables a simple connection and mobile use along with a notebook PC.

Cardio M-PC is provided together with a powerful ME-diagnostic center software. HL7 interface enables an easy connection to the doctor's offices and hospital EDP systems.

During the ECG recording, and even after, the ECG amplitude, speed and filter settings can be adjusted according to the wish of the user.

The stored resting and stress-ECGs may be shown from different perspectives and compared with up to 5 further ECGs.
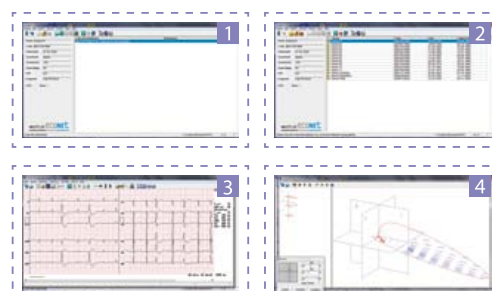
During the ergometry all compatible treadmills, bicycle ergometers and blood pressure monitors are automatically controlled and all ECG leads are continuously analyzed and stored.

For the evaluation, following data is available as graphs and charts: complete recorded ECG data, heart rate, blood pressure values, HRV and ST segment measurements.

During the performance of stress ECG comments entered can be separately printed at any time.

Cardio M-PC can be upgraded with Spiro M-PC, PhysioQuant and CardioTrak to a complete diagnostic center.

1 Patient list
2 Start screen

3 Resting ECG
4 ECG vector

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Distributor

*All specifications are subject to change without notice