



## Cardio M-PC

### Combination of PC and Stand-Alone ECG

- ECG recording as resting- and stress ECG
- Interpretation and measurement according to Mortara-Rangoni, suitable for children aged 2 and upwards
- Control of various ergometers and treadmills via PC connection
- Network function for up to 256 workstations and online function (optional)
- Ability of emergency ECG recording even without PC
- Cardio M can be used mobile anytime, without PC
- Easy extension to a fully adequate diagnostic center with Spiro M-PC, Physio Quant and Holter M-PC



ECG performance	
Recording channels	1, 3, 6 and 12 channel
Sensitivity	5, 10, 20, auto; (I ~ aVF : 10, V1 ~ V6 : 5) mm/mV
Basic measurement	heart rate, PR, QRS, QT/QTc, P-R-T axes
Display	2 lines text LCD screen
User interface	keyboard with touch screen
Printing speed	12,5; 25; 50 mm/s
Printer type	thermal printer with 204 mm effective writing width
AC filter	50/60 -- 20 dB or better
Muscle filter	25 ~ 35 Hz -- 3 dB
Base line drift	0,1 Hz -- 3 dB or lower
Low pass filter	off, 40 Hz, 100 Hz, 150 Hz
Communication	PC connection through LAN interface
Signal quality control	lead fault
Frequency	0,05 ~ 150 Hz within -3dB
Input circuit	floating input, isolated and defibrillation protected
	Netz- oder Akkubetrieb (optional)
Power	100 - 240 VAC, 50 - 60 Hz, 1,0 - 0,5 A, 60 W
Safety	Class I, Type BF
Software performance	
Filter	50, 10, 200 Hz (adjustable) 60, 120 Hz (adjustable) 35 Hz tremor (adjustable)
Leads	12 standard / 6 / 3 Frank Nehb
Connection	via LAN cable
Measurement / Interpretation	Mortara-Rangoni (for children: aged 2 and upwards)
Interface	GDT 2.1, HL7, Heart Rate Variability (HRV) Arrhythmia detection, 2D / 3D ECG vector, emergency ECG function, ECG report transmission via internet / ergometer control
PC-requirements	
Operation system	Windows XP SP3, Vista SP2, 7
Processor	min. 1,6 GHz Dual core
RAM	min. 2 GB
Hard Dics	min. 500 GB (recommended)
Interface	1 free USB port or LAN interface

Cardio M-PC offers a safe and easy handling of ECG recordings. It is characterized by its easy control und flexibility.

Apart from using it as a resting ECG, one can start a stress ECG. ECG recordings can be observed through a different working station by means of optional online function. With a network function (optional) for up to 256 working places, each computer can access the database of doctor's practice or hospital.

An integrated GDT interface allows an easy and fast transfer of recorded ECGs to the EDP of doctor's practice. HL7 interface makes it possible to be used in a hospital.

The operator does not get only a conventional PC-ECG, but an emergency ECG to be used during home visits. Thus, Cardio M allows to record and print out ECGs without use of PC. The integrated interpretation and measurement function according to Mortara-Rangoni gives a reliable ECG diagnosis for all age groups, starting from 2 year old children.

More functions like ECG monitoring, 2D / 3D vector, ECG-presentation / ECG comparison, Heart Rate Variability, arrhythmia detection and emergency ECG function without need of input of patient information is completing this software package.

Cardio M-PC can be anytime upgraded to a fully adequate diagnosis center. As an extension, Spiro M-PC spirometer, ambulatory blood pressure system Physio Quant as well as Holter M-PC can be integrated into the software to be managed in one common database.

1 Patient Record



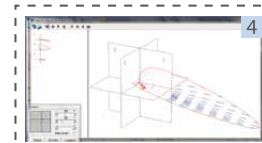
2 Main Screen



3 Resting ECG



4 ECG vector



Distributor