

# CARDIOVIT AT-104 PC

Multi use – multi benefits!



**SCHILLER**

The Art of Diagnostics

## CARDIOVIT AT-104 PC – right from the start

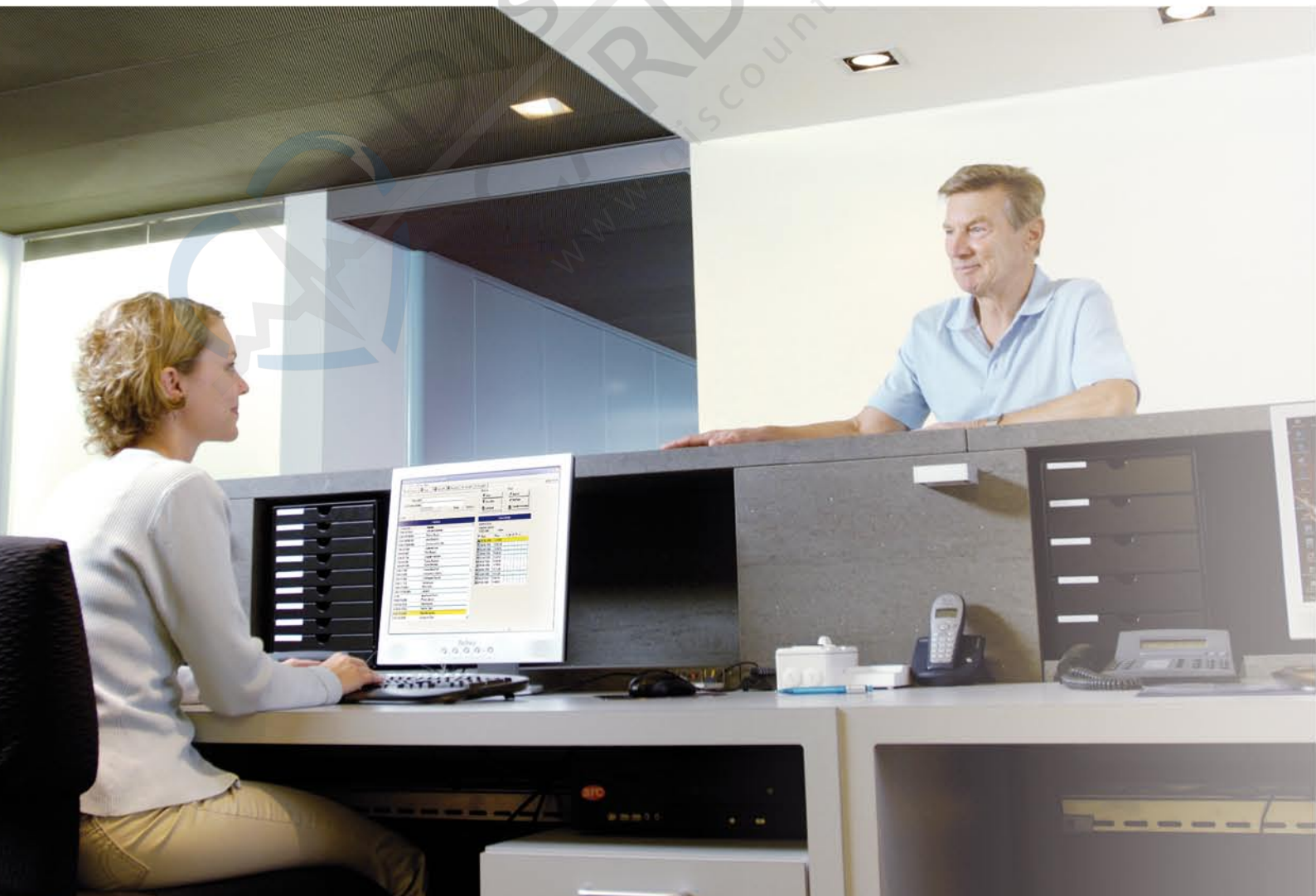
In your day-to-day clinical work you have many different medical devices to help you diagnose patients' diseases.

Based on our more than 30 years of experience in electro-cardiography, the CARDIOVIT AT-104 PC offers you an ECG device that provides customized solutions for professional diagnosis.

The AT-104 PC provides you with resting and exercise ECGs with automatic measurement and a 12-channel resting ECG interpretation facility.

In an emergency situation, or in the event of computer problems, or a power failure, its built-in battery ensures that the print-out can be made in real time on 3-channel thermal paper.

The AT-104 PC can be used independently of your PC and is equipped with a built-in, rechargeable battery. With its lightweight design and compact size it will fit easily into any doctor's bag.



## CARDIOVIT AT-104 PC – setting your mind at rest

When recording begins the signal quality is displayed on the monitor both graphically and numerically. So you can see immediately if the electrodes are incorrectly positioned, and can make the relevant adjustments.

SCHILLER's proven measurement program and the serial resting ECG comparison options are available even in the basic version of this device. Realtime printouts can be produced at any time on the built-in thermal printer from 3, 6 or 12 leads. With outstanding resolution and the wide range of available print formats the quality of printing is very impressive.

SCHILLER's ECG interpretation software for child and adult ECGs, with automatic measurement, delivers a fast and accurate display of the current situation. And of course the AT-104 PC recognises all commercially available heart pacemakers.

It will monitor and store ECGs in resting rhythm over a maximum period of 90 minutes (e.g. for medication control). The QT dispersion on the AT-104 PC indicates dangerous rhythm abnormalities.

And if that is not enough – the AT-104 PC is also able to display the rhythms and averages of four resting ECG recordings (serial comparison). This makes it much easier to monitor the progress of the disease and to check the progress of treatment.



## CARDIOVIT AT-104 PC – relaxed and stress-free

It is during the exercise ECG that the excellent features of the AT-104 PC really unfold their full potential. The device performs exercise tests completely automatically, while imposing no stress on its users. Connectable filters such as the "SBS Baseline stabiliser" or the "SSF smoothing filter" provide good recording quality first time, with no false measurement results.

All the required information, such as continuous ECG averaging, updated enlarged QRS complex, ST analysis, blood pressure data, treadmill speed or bicycle ergometer wattage, as well as the analysed log, are all displayed on the 17" colour screen, providing clear and thorough ergometry monitoring.

The AT-104 PC controls the entire ergometric measuring station. The AT-104 PC is able to control all commercially available brands of exercise devices, whether this is a bicycle ergometer – with or without blood pressure measurement – or a treadmill. The standard exercise protocols (Bruce, Modified Bruce, Naughton, Balke, Ellestad, Ramp) are included and you can alter or supplement these as required.

At all times you are able to produce an unlimited number of individual protocols. And you can also manually access the current protocol at any point in time.



## CARDIOVIT AT-104 PC – always the big picture

All the accomplished tests can be saved in the form of a detailed final protocol on hard disk, DVD or on a server. Moreover, the AT-104 PC is also equipped with various analysis programs for post-test diagnosis. It is also possible to carry out calculations at a later date.

You are automatically provided with assistance in interpreting resting ECGs in children and adults. You will be able to adapt this interpretation information very easily before printing or archiving it.

All measurement data can be modified.

After an exercise ECG you can make a comparison of the average cycles. The average view displays the QRS complexes for each lead at every exercise step. The average complexes can be zoomed individually so that you can measure them. The lead amplitude at the position concerned is indicated on the measurement line.

The ST table contains the average ST measured value and the ST slope for each lead at the exercise step concerned. Step, load and speed, maximum heart rate reached as well as average ST amplitude are stated for each lead. The ST graph shows the ST measurement for each lead over a period of time.

You can also call up a rhythm view for an exercise ECG and define the rhythm events. In full disclosure view, at the end of an exercise test you can display all 12 leads at any time within 10 seconds.

After exercise you can manually enter the evaluation. Standard evaluations and standard acronyms are available (and you can also define your own) for you to use in your interpretation.



## CARDIOVIT AT-104 PC – the plain facts

The AT-104 PC is very easy to use and designed for daily use. Easy-to-understand symbols and access with a click of the mouse ensure that you can always achieve accurate results with an intuitive approach.

The AT-104 PC shows you a list of all patients, (name, ID), all recordings (type of recording, date, time) and the status of your assessment (validated, printed, sent, exported, archived). A click of the mouse displays the recording on the screen, including patient data, measured values and the ECG curves.

With its integral data management the AT-104 PC facilitates paperless working. The data can be archived on standard PC storage media or on a server. Searching for and storing recordings is child's play. It is possible to produce paper printouts on a laser or inkjet printer at any time onto normal paper.

The AT-104 PC can be incorporated into a network, thus providing access to data from several workstations. The appliance can be easily integrated into a medical practitioner system by means of an HL7/GDT interface connection.



# CARDIOVIT AT-104 PC – it also communicates with other SCHILLER systems

## BLOOD PRESSURE



BP-200 plus

## HOLTER ECG



MT-100/200/210

## HOLTER BLOOD PRESSURE



BR-102 plus/MT-300

## SPIROMETRY



SP-250/260



AT-104 PC

## DATA MANAGEMENT



SEMA-200/SEMA light

## ERGOSPIROMETRY



AT-104 PC Ergo-Spiro



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