The SCHILLER AT-104 PC diagnostic system is much more than just a software program. It is a data acquisition and management solution that can be installed on our AT-104 PC Touch, on your laptop/PC or in your network.

You can perform, analyse, save and transmit the following measurements:
- 12-channel resting ECG
- 12-channel exercise ECG
- Resting rhythm
- 24h or 48h ABPM (ambulatory blood pressure measurement)
- 24h long-term ECG
- Spirometry
- Ergospirometry

The AT-104 PC offers:
- seamless connection to electronic patient records for faster digital workflows and invoicing
- worklists for direct access via SEMA to the patient master data in the Hospital Information System. Therefore, the time-consuming entry of patient data is accelerated and delays in invoicing are reduced.
- diagnostic safety thanks to the proven ECG analysis software.

Unique worldwide
In an emergency, when there is a problem with your computer or in case of a power cut, a 3-channel real-time printout on thermal paper is possible thanks to the integrated rechargeable battery.

The AT-104 PC can be used as a standalone device and is equipped with an integrated rechargeable battery. Thanks to its low weight and handy size, it fits in any doctors bag.

Flexible adaptation
No matter how large your practice, clinic or hospital is, when it comes to diagnostic data quality, there can be no compromise.

The AT-104 PC offers connectivity to the entire range of cardiological diagnostic units that provide you with the clear and reliable data that ensure an accurate diagnosis.

There are more options than ever to make use of all your data and to considerably simplify your workflows. Display all reports simultaneously to get a complete overview on the diagnostic information.

Export your data to the electronic patient record, to PACS or to the cardiology information system SEMA® for faster diagnosis and invoicing. This is to make sure that your patient is in the centre of attention, and not paperwork.
CARDIOVIT AT-104 PC

- Resting rhythm
- Exercise ECG
- Ergospirometry
- Holter ECG
- Spirometry
- 24 h ABPM

- Resting ECG
- Ergospirometry
- Exercise ECG
- 24 h ABPM
- Spirometry
- Holter ECG
- Resting rhythm
The Art of Connectivity

Are you contemplating investing in an ECG management system? No problem with the CARDIOVIT AT-104 PC diagnostic system.

The Art of Connectivity is the key to an advanced ECG technology. You need a portable ECG system to examine your patients wherever you are, but you also need to be able to transfer the ECG data.

Access and safety - both is essential. The AT-104 PC offers a scaleable IT platform to configure a diagnostic system that is designed to grow along with your requirements.

Open system structure
SCHILLER uses standard communication protocols such as:
• Digital imaging and communications in medicine (DICOM)*
• HL7
• XML
• TCP/IP

The AT-104 PC is compatible with the following operating systems: Windows® XP/Pro, Windows 7® Business.

Stand-alone unit or use in a network
The system can be used as a stand-alone unit or it can be integrated in a network (LAN) comprising several work stations for data acquisition and processing.

Access and compliance with directives
The AT-104 PC protects your data, system and investment on multiple levels.
• Automatic log-off function and user management optimises data acquisition, enhances the system availability and increases the safety for your server.
• Easy access to information
The raw data is easily accessible for verification and reanalysis. Older patient data can be compared directly on the screen in order to evaluate the patient’s medical condition and to allow clearer clinical decisions.
• Thanks to the direct connection to electronic patient records, several cardiac and pulmonary examinations can be saved in a database, allowing a much quicker review and evaluation.
• The average values that are displayed offline after the examination increase the accuracy of the evaluation of QRS changes and allow the medical staff to see changes throughout the examination at minute intervals.

* Export of 12-channel resting ECG recordings in standard DICOM waveform object format to PACS systems is available as part of the SCHILLER Communication Server (SCS).
More efficient workflows increase the quality of treatment.

Today’s health care system requires streamlined workflows. The AT-104 PC helps you treating more patients more efficiently by simplifying all steps of the process.

High patient throughput
The direct connection to electronic patient records and diagnostic units allows remote access to patient and examination data for a faster diagnosis.

- Data can be exported as PDF, in CSV format for Excel®, or in XML format. PDF file names can be generated automatically according to demographic patient data, ensuring consistency with the electronic patient record or with data from the hospital information system.
- DICOM option* for long-term archiving of resting ECG data in PACS systems and for the reanalysis in DICOM viewers.

Easy data management and invoicing
Improved workflows in the AT-104 PC help accelerating administrative processes and preventing errors in the data acquisition. Moreover, the AT-104 PC ensures more efficient invoicing.

- Direct connection to electronic patient records helps reducing errors in the data acquisition, accelerates administration tasks and consolidates patient data.
- Integrated data management allows paperless work environments. The data can be archived on any commercially available PC storage medium or on a server. Searching and archiving recordings becomes as easy as ABC. Printouts can be obtained on a laser or inkjet printer at a later stage at any time.

Improved interconnection between administration and clinical examination
The AT-104 PC can easily be connected to the SEMA cardiology information system of your hospital for even more efficient processes.
CARDIOVIT AT-104 PC

Algorithms that simplify your workflows

The AT-104 PC diagnostic system supports your clinical decisions and allows you to stay in touch with your practice and patients much more easily.

Diagnostic support

The AT-104 PC offers SCHILLER's industry-leading diagnostic tools that support you in the decision-making process and therefore lead to quicker diagnoses and improved results.

- **Expandable**: the AT-104 PC can be expanded at any time to become a pulmonary function test device.
- **Recognised throughout the world**: the SCHILLER measurement and interpretation software for children and adults (optional): The high-quality and dependable automatic ECG analysis of 12 leads saves you a vast amount of time and offers you a reliable second opinion.
- **Serial ECG comparison**: expansion of the SCHILLER measurement and interpretation software, allowing the analysis of short- and long-term changes in patient ECGs. Serial ECGs proved to be most efficient in the detection of myocardial infarctions, both for new, asymptomatic myocardial infarctions as well as for acute myocardial infarctions in symptomatic patients. Serial electrocardiography is indispensable when assessing unstable angina pectoris.

- **QT dispersion**: indicates inhomogeneity in the ventricular repolarisation. The greater the QT dispersion, the more inhomogeneous the ventricular repolarisation and the greater the risk for sudden cardiac death. QT dispersion analysis can be used as an additional non-invasive method.
- **Rhythm ECG recording**: 12-lead full disclosure ECG recording, collecting up to 120 minutes of diagnostic data.
- **SCHILLER EXEC exercise ECG**.
- **SCHILLER EXEC plus** to record beat-to-beat exercise ECGs.
- **Expandable**: the AT-104 PC can be expanded at any time to become an ergospirometry measurement device.
- **ECG signal quality**: the AT-104 PC ensures high data quality with algorithms such as SBS SCHILLER Baseline Filter and SSF SCHILLER Smoothing Filter.

CARDIOVIT AT-104 PC – communicates with other SCHILLER systems

BLOOD PRESSURE

BP-200 plus
- communicates with other SCHILLER systems

HOLTER ECG
MT-100/200

AMBULATORY BP
BR-102 plus/MT-300

SPIROMETRY
SP-250/260

DATA MANAGEMENT
AT-104 PC

ERGOSPIROMETRY
SEMA-200/SEMA light

AT-104 PC Ergo-Spiro