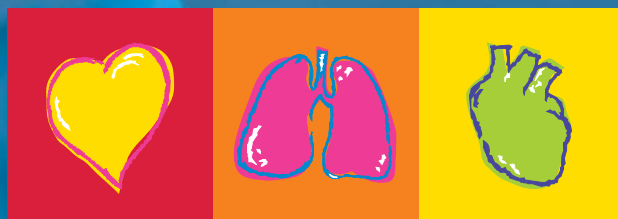




CARDIOVIT AT-104 PC

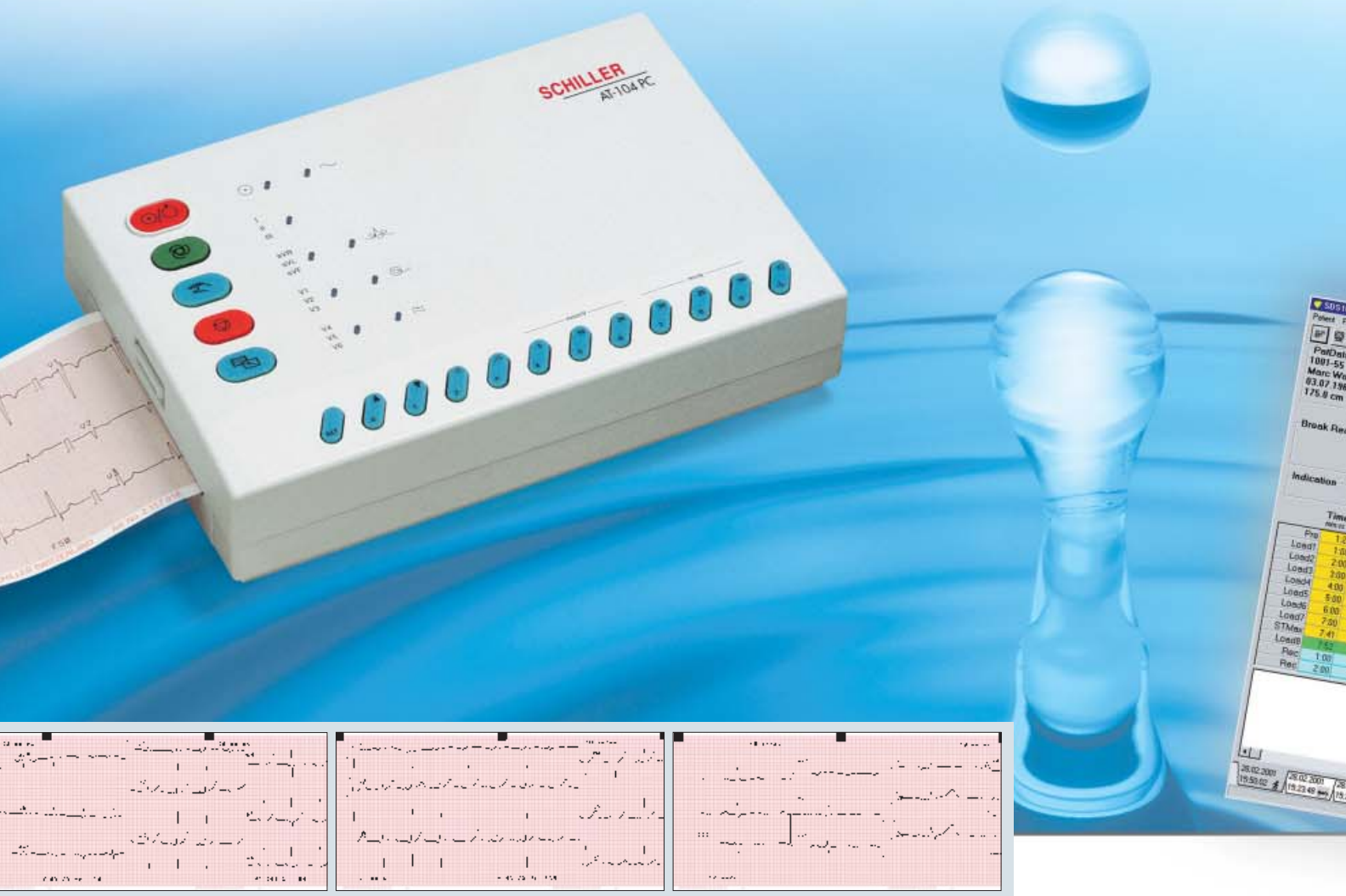
Multi use –
multi benefits!



SCHILLER

The Art of Diagnostics

CARDIOVIT AT-104 PC ECG Recorder & PC ECG



Different print formats are pre-selectable from all 12 simultaneously recorded leads.

SCHILLER PC ECG Workstation:

- Compact
- Powerful
- Flexible
- Modular
- Ready to go

With its double function as a conventional ECG recorder and as a PC ECG the unique

design is ideal in the tight cost situation. Its double utility means a faster payback.

The leading European ECG manufacturer is always one step ahead. Innovative, practical ideas and application of the latest technology (WINDOWS™-based software) are automatic. But see for yourself how much our 12-channel ECG-recorder can do for you.

Your Benefits:

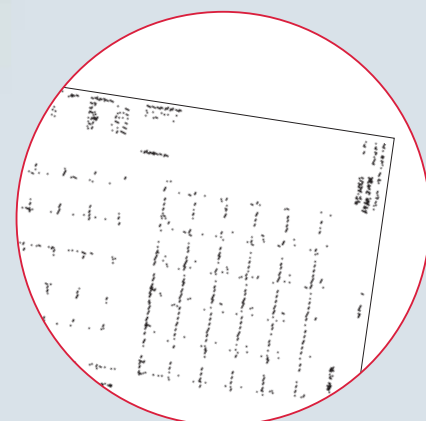
- Benefit twice over: you can make full use of the AT-104, not only as an ECG amplifier linked to a PC, but also as an independent 3-channel ECG recorder without the need for a PC/laptop (e.g. for home visits and emergencies).
- Resting ECG, exercise testing, long-term ECG are possible on the same PC.



Quality is important to us: **SCHILLER AG** is a company certified under ISO 9001/EN 46001. The AT-104 PC carries the CE mark and complies with all primary standards and regulations. The patient-input is electrically isolated and defibrillation-safe.

And there's more!

- Even the basic version includes **SCHILLER's** proven and tested ECG measurement program. Precise measurements are given for all 12 simultaneously recorded leads.
- The basic version also provides serial comparisons of resting ECGs as standard.



Standard laser and inkjet printers give you sharp and clear printouts on ordinary paper.

- Operation is controlled from the PC through the PC keyboard, mouse or trackball; for use independently of the PC the AT-104 PC has direct function keys.
- The integrated data-management system saves you paper. All data can be stored on all standard PC storage-media.
- With the integrated 3-channel thermal printer you always have your patient

monitored – even if there is a fault in the PC or a power failure.

- Several interface links to your practice system are possible.
- Linking to a network is possible, giving access to data from several locations.
- The AT-104 PC is fully portable and self-sufficient; it is small, light and fitted with an integrated rechargeable battery.

- You benefit from the many years of experience of Europe's leading ECG manufacturer with its own development department and production facilities and tens of thousands of installations worldwide. Our aim is to always deliver impeccable quality.

AT-104 PC Exercise Test System



SCHILLER's AT-104 PC covers all requirements to a modern PC-based ergometry station, without straining your budget. The SEMA-200 data management program is already integrated and can be connected to practically any EDP system. Patient data is transmitted directly to the electronic clinic data system. No repeated typing required, patient data is taken over automatically – increasing your productivity.

System features:

- Compact Barebone PC, Windows™ XP Professional based, with high performance hardware components ensuring reliable daily use
- Integrated CD-R/RW for data storage/back-up
- High resolution 17" TFT screen
- External printer
- Professional medical cart, providing mounting possibility for accessory devices
- Options:
 - Measurement & Interpretation
 - Stress Tests Software EXEC
 - Full disclosure EXEC plus
 - Spirometry

Technical Data AT-104 PC

System:

Dimensions: 230 x 150 x 50 mm; approx 1.9 kg

Controls: Direct function keys for START/STOP/MAN/
AUTO ECG recording

Supply-voltage range: 115/230 V~ (nominal), 50/60 Hz

Power consumption: max. 40 VA

Battery: Mains-independent operation using integrated
rechargeable battery

Printing:

Printing process: Integrated high-resolution thermal multi-head
printer, 8 dots/mm (amplitude axis), 40 dots/mm (time axis),
@ 25 mm/sec.

Recording paper:

Thermoreactive, interleaved, 90 mm wide, approx. 23 m

Recording speed:

10 / 25 / 50 mm/sec (manual mode)

Frequency range, digital recording system:

0 – 150 Hz (IEC/AHA)

Recording channels: 3

Recording width: Optimally-presented 3-channel printout at a
width of 80 mm, automatic baseline

Sensitivity: 5 / 10 / 20 mm/mV, adjusted automatically or
selectable manually

ECG:

ECG amplifier:

- Simultaneous recording of all 8 active electrode signals
(= 12 leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection: $\geq \pm 2$ mV / ≥ 0.1 ms

Standard:

- ECG measurement
- QT dispersion
- Rhythm recording of resting ECG

Safety Standards:

Patient input circuit: Fully insulated and electrically isolated,
defibrillation-safe (only with original patient cable)

Safety Standards: IEC/EN 60601-1; UL 60601-1, C22.2 No. 601.1-
M90; IEC/EN 60601-2-25; IEC/EN 60601-1-2 (EMC)

Protection Class: I according to IEC/EN 60601-1 (with internal
power supply)

Applied Part: CF according IEC/EN 60601-1

Conformity: **CE** according Directive 93/42/EEC (Medical
Devices)

Classification: IIa 0123 according Directive 93/92/EEC

Environmental conditions:

- Temperature operating: 10 – 40° C
- Temperature storage: -10 – 50° C
- Relative atmospheric humidity operating: 25 – 95 %
(non-condensing)
- Pressure operating: 700 - 1060 hPa

Minimum PC requirements:

A PC, laptop or notebook must have at least the following:

- Processor: Pentium 300 MHz
- RAM: 128 MB (256 MB recommended)
- Hard disk: 4 GB min. available capacity
(10 GB recommended)
- Ports: 2 available serial RS-232
- Graphic card: SVGA 1 MB with 1024 x 768 resolution or better
- Others: Mouse, keyboard and CD Rom
- Operating system: Windows™ 2000/XP

Options:

Hardware Options:

- Electrode suction unit
- Treadmill, bicycle, lying ergometer
- Spirometry

You can add the hardware option at any time.

Software Options:

- Resting ECG interpretation program for children and
adult ECGs
- SCHILLER EXEC exercise testing program
- SCHILLER EXEC+ with full disclosure rhythm review

You can add any software option at any time.

Barebone PC:

Shuttle Barebone SS58G2 mit Shuttle Mainboard FS58
(Size: 30 x 20 x 18 cm, l x w x h)

Micro ATX-Mainboard:

- SIS 661 FX/963L Chipset
- Socket 775 supports Pentium 4 or Celeron D Prozessoren with
800/533 MHz FSB and Hyper-Threading Technology
- CPU Intel Celeron 2.0 GHz S775
- 256 MB DDRAM PC333
- 40 GB HDD Western Digital WD-400BB
- 1.44 MB 3.5" FDD
- CD-R/W LiteOn 52x
- Incl. Parallel Port Adapter
- PCI fast Serial Card Sunix 2 x RS-232
- Slots for: 1 x AGP (4X-Modus), 1 x PCI (at the same time)
- Integrated: Intel external graphic function
- 6-channel AC97 2.2 Codec
- 6 x USB 2.0
- LAN RJ45
- 2 x ATA-100
- 3 x 1394 Fire wire
- Cherry keyboard G83 US/GER/FR/ PS/2, Windows layout,
104 keys
- Logitech optical wheel mouse, PS/2 & USB, 3 buttons and
scroll wheel
- Microsoft Windows XP Professional Multilingual SP2 OEM
version

Technical data and images are subject to technical modifications due
to continuous innovations.

Your specialist:



Asia

SCHILLER Asia-Pacific
7, Jalan Ara SD 7/3B
Bandar Sri Damansara,
52200 Kuala Lumpur
Malaysia
Phone +603 6272 3033
Fax +603 6272 2030
sales@schiller.com.my
www.schiller-asia.com

Austria

SCHILLER Handelsgesellschaft mbH
Kampmüllerweg 24
A-4040 Linz
Phone +43 732 70 99-0
Fax +43 732 757 000
sales@schiller.at
www.schiller-austria.com

C.I.S. & Russia

SCHILLER AG
Moscow Representative Office
Office 414, 1-st Yamskogo Poly Street 15
125124 Moscow, Russia
Phone/Fax
+7 (495) 970 11 33,
+7 (495) 956 29 10
mail@schiller-ag.com
www.schiller-cis.com

France

SCHILLER Médical S.A.S.
4, rue Louis Pasteur
F-67162 Wissembourg/Cedex
Phone +33 3 88 63 36 00
Fax +33 3 88 94 12 82
info@schiller.fr
www.schiller-france.com

Germany

SCHILLER Medizintechnik GmbH
Rudolf-Diesel-Strasse 14
D-85521 Ottobrunn
Phone +49 89 62 99 81-0
Fax +49 89 609 50 90
info@schillermed.de
www.schiller-germany.com

India

SCHILLER Healthcare India Pvt. Ltd.
D.C. Silk Mills Compound, 'A' Wing,
1st floor
5, Chunawala Estate, Kondivita Lane
Andheri-Kurla Road, Andheri (E)
Mumbai - 400 059, India
Phone +91 22 2826 3520
Fax +91 22 2826 3525
mail@schillerindia.com
www.schillerindia.com

Japan

SCHILLER Japan, Ltd.
Biomedical Research Building 218
1-2-3 Kasumi, Minami-ku
Hiroshima 734-8551
Phone +81 82 250 2055
Fax +81 82 253 1713
koji.maekawa@schiller.jp
www.schiller.jp

Spain

SCHILLER ESPAÑA, S.A.
Ctra. de la Coruña
A-6 km.18.200
E-28230 Las Rozas/Madrid
Phone +34 91 713 01 76
Fax +34 91 355 79 33
schiller@schiller-es.com
www.schiller-spain.com

Switzerland

SCHILLER-Reomed AG
Riedstrasse 14
CH-8953 Dietikon
Phone +41 44 744 30 00
Fax +41 44 740 37 10
sales@schiller-reomed.ch
www.schiller-reomed.com

Turkey

SCHILLER TÜRKİYE
Haili Rifat Paşa Mah.
Darülaceze Cadd.
Perpa Ticaretf Merkezi
B/Blok No: 41 K: 2
Okmeydanı-Sisli - İstanbul
Phone +90 212 210 8681 (pbx)
Fax +90 212 210 8684
sales@schiller-turkiye.com
www.schiller-turkiye.com

USA

SCHILLER America Inc.
11300 NW 41st Street
Miami, Florida 33178
Phone +1 786 845 06 20
Fax +1 786 845 06 02
sales@schilleramerica.com
www.schilleramerica.com

SCHILLER

The Art of Diagnostics