

CARDIOVIT AT-101

High-tech ECG in a compact, budget-priced device



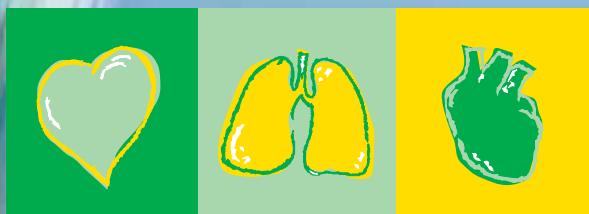
Possibility of data transfer
to SCHILLER Data Management
System SEMA-200

Performance:

- Intuitive, easy use with direct function keys
- 12-channel Resting ECG
- Graphical LC display
- Storage and serial data transfer for Resting ECG data on PC
- Various formatted printouts on internal thermal printer, external DeskJet or Laser printer
- Memory: Saving possibility for 40 records (optional)
- Measurements
- Interpretation (optional)
- Thrombolysis (optional)

Features:

- Integrated 3-channel monitor
- Alphanumeric keyboard
- Direct keys for the most important functions
- Easy Print: Integrated high-resolution thermal printer, subsequent printout on thermoreactive paper possible
- Interface for external printer for A4 printouts on regular paper
- Interface for data-transmission



SCHILLER

www.schiller.ch

The Art of Diagnostics

Answer fax

Yes, I am interested in the innovative products from SCHILLER.
Please send me more information about:

Resting ECG:

- CARDIOVIT AT-1
- CARDIOVIT AT-1 smartprint
- CARDIOVIT AT-101
- CARDIOVIT AT-2
- CARDIOVIT AT-2 plus

Exercise ECG (Multitasking Systems):

- CardioLaptop® AT-110
- CardioLaptop® PT-160
- CARDIOVIT AT-102
- CARDIOVIT CS-200
- CARDIOVIT AT-104 PC
- CARDIOVIT AT/SP-10
- Ergometry

Spirometry:

- SPIROVIT SP-1
- SPIROVIT SP-2
- CS-200 Ergo-Spiro
- PC Spirometry

Name: _____

Hospital: _____

Position: _____

Address: _____

Phone (daytime): _____

Fax: _____

e-mail: _____

Monitoring:

- ARGUS PRO System
- PHYSIOGARD TM/CS 910
- Pulse Oximeter OX-2
- MRI Compatible Monitoring
- ARGUS LCM Monitor

Defibrillators/Monitoring:

- FRED® (First Responder External Defibrillator)
- FRED® easy
- DEFIGARD (1002, 3002 IH, 6002)

Holter ECG MT-101/200

- Telemedicine: MT-120/220 and AT-4 TELE
- SEMA-200 Data Management System
- BR-102 Blood Pressure Recorder
- MS-3 Pocket ECG
- VAC-100 Vacuum Electrode System
- ECG & Spiro Accessories

Technical Data CARDIOVIT AT-101:

System:

Dimensions: 290 x 198 x 76 mm, approx. 2.6 kg

Built-in monitor: 76 x 57 mm effective display area, 320 x 240 dots resolution

On-screen status indicators: Battery status, date, time, power source

Control panel and keyboard: User-friendly, alphanumeric keyboard, LED indicator and LC display

Power supply requirements: 220 – 240 V (nominal), 50/60 Hz; 110 – 115 V (nominal), 50/60 Hz; stand-alone operation with built-in rechargeable battery; LED indicator for mains operation, integrated power supply unit

Battery capacity: 4 hours of normal use

Power consumption: Max. 28 VA

Line frequency filter: Distortion-free suppression of superimposed 50 or 60 Hz sinusoidal interferences by means of adaptive digital filtering (SCHILLER Powerline Filter SPF)

Frequency range of digital recording system: 0 – 150 Hz (IEC/AHA)

Chart paper: Thermo-reactive, Z-folded, 72 mm wide

Printing process: High-resolution thermal head printer, 8 dots/mm (amplitude axis), 40 dots/mm (time axis) @ 25 mm/s

Interfaces: RS-232 interface; data transmission to PC (SEMA-200) and external modem connection; parallel port for external printer

Memory: Possibility to save up to 40 Resting ECG measurements (Option)

Environmental conditions:

- Temperature, operating: 10° to 40° C
- Temperature, storage: -10° to 50° C
- Relative humidity: 25 to 95 % (no condensation)
- Pressure during operation: 700 to 1060 hPa

Safety Standards:

Safety standard: CF according IEC 60601-1 and IEC 60601-2-25

Protection class: I according to IEC 60601-1 (with internal battery)

Classification: IIa according to EEC directive 93/42 (for medical devices)

Conformity: CE-0123 according to 93/42/EEC; UL 2601-1, C22.2 No 601.1-M90

Technical Data for ECG:

Patient input circuit: Fully floating and isolated, defibrillation protected (only with original SCHILLER patient cable)

Monitor display:

- 3-channel display of the selected leads
- Heart Frequency, HF
- 25, 50 mm/s
- 5, 10, 20 mm/mV
- Filter status (on/off)
- Insufficient electrode contact

Leads: 12 simultaneous leads: Standard / Cabrera

Chart printout speed: 5/10/25/50 mm/s (manual print)

Sensitivities: 5/10/20 mm/mV, either automatically adjusted or manually selected

Automatic lead programs:

- 3/6/12-channel presentations of 12 simultaneously recorded leads
- Numerous printout formats can be selected

Data record:

- Patient data (name, age, height, weight, BP), user ID
- Listing of all ECG recording conditions (date, time, filter), (optional)
- Measurement program: ECG measurements results (intervals, amplitudes, electrical axes), average complexes with measurement reference markings
- Interpretation (C, optional) with adult and pediatric guidance
- Thrombolysis Software (only in combination with C option)

Recording track: 3/6/12-channel presentation, optimal positioning on a width of 72 mm (internal printer) or A4 (external printer), automatic baseline adjustment

Filter: Myogram filter (muscle tremor filter); 25 or 35 Hz, SCHILLER Baseline Stabilizer SBS, SCHILLER Smoothing Filter SSF

ECG amplifier:

- Simultaneous recording of all 9 active electrode signals (= 12 leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection: $\geq \pm 2 \text{ mV} / \geq 0.1 \text{ ms}$

Scope of delivery for CARDIOVIT AT-101 Standard:

CARDIOVIT AT-101 Resting ECG with 12 simultaneous leads, pacemaker detection, automatic ECG measurement

Accessories:

- 1 10-lead patient cable
- 1 set of electrodes or disposable electrodes
- 1 power cable
- 1 pack chart paper
- Operating manual

Software options:

- Thrombolysis Software
- Memory for up to 40 measurements
- Computer-aided ECG interpretation for pediatric and adult ECGs (C)
- SEMA-200 PC software to save, validate and archive ECG data on PC

Hardware options:

- Equipment trolley
- External printer

Technical Data are subject to change without notice.

Asia
SCHILLER Asia-Pacific
10 C, Jalan SS 3/33
Taman Universiti
47300 Petaling Jaya
Selangor, Malaysia
Phone: +603 78 77 5336
Fax: +603 78 77 5744
e-mail: sales@schiller.com.my

Austria
SCHILLER Handelsgesellschaft mbH
Kampmüllerweg 24
A-4040 Linz
Phone: +43 732 70 99-0
Fax: +43 732 757 000
e-mail: sales@schiller.at

C.I.S.
ZAO SCHILLER RU
Pokrovsky Blvd., House 3
Block 1, Office 2202
P.O. Box 27
109028 Moscow, Russia
Phone: +70 95 956 29 10
Fax: +70 95 956 18 63
e-mail: service@schiller.ru

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
e-mail: info@schiller.fr

Germany
SCHILLER Medizintechnik GmbH
Rudolf-Diesel-Strasse 14
D-85521 Ottobrunn
Phone: +49 89 62 99 81-0
Fax: +49 89 609 50 90
e-mail: info@schillermed.de

India
SCHILLER Healthcare India Pvt. Ltd.
D.C. Silk Mills Compound, 'A' Wing,
1st floor
5, Chunawala Estate, Kondivitta Lane
Andheri-Kurla Road, Andheri (E)
Mumbai - 400 059, India
Phone: +91 22 826 35 20
Fax: +91 22 826 35 25
e-mail: schiller@vsnl.com

Spain
SCHILLER ESPAÑA, S.A.
Avenida Baviera, 12 - 14 Posterior
E-28028 Madrid
Phone: +34 91 713 01 76
Fax: +34 91 355 79 33
e-mail: schiller@schiller-es.com

Switzerland
SCHILLER-Reomed AG
Riedstrasse 14
CH-8953 Dietikon
Phone: +41 1 744 30 00
Fax: +41 1 740 37 10
e-mail: sales@schiller-reomed.ch

Turkey
SCHILLER TÜRKİYE
Halil Rifat Pasa Mah.
Darülaceze Cadd.
Perpa Ticaret Merkezi
B/Blok No: 69 K: 2
Okmeydanı-Sisli - İstanbul
Phone: +90 212 210 8681 (pbx)
Fax: +90 212 210 8684
e-mail: sales@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
e-mail: sales@schilleramerica.com



SCHILLER

www.schiller.ch

The Art of Diagnostics

Headquarters: SCHILLER AG, Altgasse 68, CH-6341 Baar, Switzerland, Tel.: +41 41 766 42 42, Fax: +41 41 761 08 80, e-mail: sales@schiller.ch

Your specialist: