

CARDIOVIT AT-1

Bet on this 3-channel
ECG by SCHILLER!



The CARDIOVIT AT-1 performs quick and accurate 12-lead ECG analysis, in a three channel format, at a price for one-channel systems.

With its compact, easy-to-use operation and built-in battery, the AT-1 is perfect for all applications including stationary office use, hospital bedside and ambulatory field work. Reliable, powerful and low-maintenance, the AT-1 is the ideal cost-effective ECG unit for professional electrocardiography. **Over 50'000 units have been sold worldwide!**

3-channel Resting ECG

- Simultaneous 12-lead acquisition
- 3-channel print format
- One-button operation
- Multiple report formats
- Copy functions
- Various recording rates
- Automatic and manual modes
- Built-in thermal printer
- Built-in, rechargeable battery
- Built-in charger unit
- Lightweight (2,9 kg/6.7 lbs)

Options:

- *Measurement and interpretation software*
- *Cart*

SCHILLER's commitment to excellence is built upon more than 25 years of experience in the research, development and manufacture of ECG systems. Call us!



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-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

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

Technical Data AT-1:

System:

Dimensions: 290 x 210 x 69 mm / 11.4 x 8.3 x 2.7 in. (l/w/h)

Weight: Ca. 2.9 kg / approx. 6.7 lbs

Power supply requirements: 220 - 240 V (nominal), 50/60 Hz or 110 - 115 V (nominal), 50/60 Hz independent operation with built-in rechargeable battery, LED indicator for mains and battery, built-in charger unit

Power consumption: Max. 28 VA

Battery charging time: 15 hrs. from a completely discharged battery, 3 hrs. to 60% capacity

Battery capacity: 2 hrs of normal use

Leads: Standard / Cabrera

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

Frequency range of digital recorder: 0 Hz to > 150 Hz (IEC/AHA)

ECG amplifier:

- Simultaneous, synchronous registration of all 9 active electrode signals (= 12 standard leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection: $\geq \pm 2$ mV / $\geq \pm 0.1$ ms

Myogram (muscle tremor) filter:

25 Hz (40 dB/dec) or 35 Hz (20 dB/dec), programmable

Line frequency filter: Distortion-free suppression of superimposed 50 or 60 Hz sinusoidal interferences by means of an adaptive digital filter

Control panel: Pad keys, LED indicators

LED indicators:

- Lead group
- Mains connected
- Battery operation and battery low (indicator flashes)
- Paper tray empty or jammed
- Filter status (on/off)
- Loose electrodes

Norms:

Safety standard: CF according to EN 60601-1 and EN 60601-2-25, CSA, UL

Safety class:

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

IIa according to MDD 93/42/EEC

Conformity: CE according to MDD 93/42/EEC, FDA approved

Environmental conditions:

- Temperature, operating: 10° to 40° C / 50° to 104° F
- Temperature, storage: -10° to 50° C / 14° to 122° F
- Relative humidity: 25 to 95 % (non-condensing)
- Pressure, operating: 700 - 1060 hPa

Printing (built-in thermal printer):

Paper speed: 5 / 25 / 50 mm/s (direct)

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

Chart paper: Thermoreactive, Z-folded, 90 mm / 3.5 in wide, or Roll, 90 mm wide

Printing process:

High-resolution thermal printhead

8 dots per mm / 200 dots per in (amplitude axes)

40 dots per mm / 1000 dots per in (time axes, @ 25 mm/s)

Recording tracks: 3 channels, positioned at optimal with on 80 mm / 3.2 in., automatic baseline adjustment

Automatic lead programs:

3 channel representation of 12 simultaneously acquired standard leads

Data record:

- With option M: ECG measurement results (intervals, amplitudes, electrical axes, average complexes with optional measurement reference markings)

Scope of delivery:

CARDIOVIT AT-1 basic unit with 3-channel Resting ECG with 12 simultaneous leads and pacemaker detection

Accessories:

- 10-lead patient cable
- 1 set of electrodes, consists of 4 stainless steel extremity electrodes, 6 precordial electrodes or disposable electrodes
- Electrode gel
- Power cable
- 1 pkg. of recording paper
- Operating manual
- Cart (optional)

Software-Options:

- Automatic measurement and interpretation program for resting ECGs
Technical data are subject to change without notice.

SCHILLER

w w w . s c h i l l e r . c h



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