

# CARDIOVIT<sup>®</sup> AT-2 plus

## 12 Channel ECG Machine with Display

### Features

- 12 Channel Resting ECG device
- 3 Channel ECG display
- Compact and Robust design
- Detailed Measurements table and Automatic Interpretation
- User selectable multiple printing formats
- Mains and Battery operated
- Acoustic QRS indication
- Special SBS & SSF filters for smooth tracings
- Lead off indication



# Technical Data CARDIOVIT® AT-2 Plus

## General

**Dimensions:** 400 x 330 x 100 mm, app. 5.0 kg.

**Backlight LCD screen:**

- Display: 6" backlight LCD display
- 320 x 240 dots resolution
- 3 Channel ECG display

**Power supply:** 220-240 V (nominal), 50/60 Hz or

110-115 V (nominal), 50-60 Hz independent operation with built-in 12 V lead acid rechargeable battery, built in charge unit, LED indication for mains

**Battery capacity:** 4 hrs. of normal use or approx 300 automatic ECG printouts

**Frequency range of digital recorder:** 0-150 Hz (IEC/AHA)

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

**Control panel and keyboard:** Full size alphanumeric keyboard, LED indicator

**On-screen status indicators:**

- Battery status
- Selected leads
- Filter status (on or off)
- Loose electrodes
- HR
- mm/mV, mm/s
- Date, time
- Power source

## ECG

**Leads:** 12 simultaneous leads: Standard / Cabrera

**Myogram filter (muscle tremor filter):** Adjustable at 25 or 35 Hz

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

**ECG amplifier:**

- Simultaneous, synchronous recording of all 9 active electrode signals (= 12 leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection:  $\geq \pm 2$  mV /  $\geq 0.1$  ms
- CMRR: 100 dB @ 60 Hz
- Input impedance:  $> 2.5$  Mohm @ 10 Hz

**Software:** Automatic adult and pediatric measurement and interpretation program for resting ECGs

**Memory:** Memory for upto 45 ECG recordings

## Printing

**Paper speed:** 5/10/25/50 mm/s

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

**Chart paper:** Thermoreactive, Z-folded, 210 mm wide perforation 280 mm

**Printing process:**

- High-resolution thermal printhead
- 8 dots per mm 200 dots per inch (amplitude axis)
- 40 dots per mm 1000 dots per inch (time axis, @ 25 mm/s)

**Automatic leads programs:**

- 6/12 channel representation of 12 simultaneously acquired standard leads on one page, full letter size (A4) / 8.5" x 11"
- Various printing format possibilities

**Data record:**

- Patient data (name, age, height, weight, BP) users ID
- Listing of ECG recording data, date and time
- With measurement and interpretation program: ECG measurement results (intervals, amplitudes, electrical axes), average complexes with measurement reference markings, adult and pediatric ECG interpretation statements
- Recording tracks: 6/12 channels, positioned at optimal width on 210 mm (8.5"), automatic baseline adjustment

## Safety standards

**Safety standards:** CF according to IEC 601-1 and IEC 601-2-25, CSA, UL

**Protection class:** I according to IEC 601-1 (with internal battery), VDE, UL, and SEV, II according to RL 93/42/EEC

**Conformity:** CE 0123 according to Medical Device Directive 93/42 EEC

**Environmental conditions :**

- Temperature, operating: 10° to 40° C / 50° to 104° F
- Temperature, storage: -10° to 55° C / 14° to 131° F
- Relative humidity, operating: 25 to 95 % (non-condensing)
- Pressure, operating: 700 - 1060 hPa

## Certification

CE 0123

## Standard accessories

- Patient cable (10 lead) - 1 no.
- Power cable - 1 no.
- Electrodes - 1 set
- Printer paper - 1 pack
- User manual - 1 no.
- Jelly bottle - 1 no.
- Warranty card - 1 no.

Accessories shown are not part of standard configuration All registered trademarks acknowledged.

Technical data are subject to change without notice

# SCHILLER

The Art of Diagnostics

Swiss H.Q.: Schiller AG, Altgasse 68, P. O. Box 1052, CH -6341 Baar, Switzerland.  
Indian Corporate Office : Schiller Healthcare India Pvt. Ltd., Advance House, Makwana Road, Off Andheri Kurla Road, Marol Naka Metro Station, Andheri (East), Mumbai - 400 059.  
Tel. : + 91 - 22 - 61523333 / 29209141 Fax : + 91 - 22 - 29209142  
E - mail : sales@schillerindia.com, support@schillerindia.com  
Factory : No. 17, Balaji Nagar, Puducherry 605010

Regional / Branch Offices: Ahmedabad: 079-40307190/09327031678 Email: sales.west@schillerindia.com  
Bengaluru:080-26564045/09379036923 Email: sales.south2@schillerindia.com Bhopal:0755-4274421/09329542691  
Email: sales.central@schillerindia.com Bhubaneswar: 09874766668 Email: sales.east@schillerindia.com Chennai: 044-28232648,  
09383620520 Email: sales.south1@schillerindia.com, Trichy/ Coimbatore: 09383620520 Email: sales.south1@schillerindia.com  
Guwahati: 09435140877 Email: sales.east@schillerindia.com Hubli: 09343551884/09379036923 Email: sales.south2@schillerindia.com  
Hyderabad: 09533552969/ 09379036923 Email: sales.south2@schillerindia.com Indore/ Nagpur: 09329542691 Email: sales.central@schillerindia.com  
Email: sales.central@schillerindia.com Kathmandu: 00977-9852030389 Email: sales.nepal@schillerindia.com  
Kochi: 0484-2203264/09383620520 Email: sales.south1@schillerindia.com Ranchi/ Kolkata: 033-23593102/ 09874766668  
Email: sales.east@schillerindia.com Lucknow: 0522-4076659/09312432205 Email: sales.north@schillerindia.com  
Mumbai: 022-61523333/ 09152380310 Email: sales.west@schillerindia.com, Chandigarh/ Jaipur/ New Delhi: 011-32600582/09312432205  
Email: sales.north@schillerindia.com, Patna: 0612-2570745/ 09386366005 Email: sales.east@schillerindia.com Puducherry: 09383620520 Email:  
sales.south1@schillerindia.com Nashik/ Pune: 020-24210657/09371020520 Email: sales.west@schillerindia.com  
CIN : U33110MH1997PTC111307

sales@schillerindia.com www.schillerindia.com 1800 2098998

Authorised Dealer