



Technical data

CARDIOVIT AT-102 G2

System

Device

Dimensions: 384 x 319 x 90 mm (l/w/h)

Weight: approx. 4.5 kg with paper

Environmental conditions

Temperature:

- Operation: 10 to 40 °C;
- Transport: -10 to +50 °C
- Storage: 5 to +50 °C

Humidity:

- Operation: 15 to 95 %, non-condensing
- Transport/storage: 10 to 95 %, non-condensing

Pressure:

- Operation: 700 to 1060 hPa
- Transport/storage: 500 to 1060 hPa

Electrical data

Power: Mains or battery operation

Power supply: 100 to 240 VAC, 1.3- 0.7 A 50 or 60 Hz

Power consumption: max. 64 VA

Battery capacity: 8 hours with ECG printout every 15 minutes

ECG amplifier

CF, defibrillation-protected (only with original SCHILLER patient cable)

Sampling frequency: 32000 Hz
(Storage sampling frequency 1000 Hz)

Resolution: 1 µV/24 bit

Pacemaker detection: $\geq \pm 2$ mV/pulse width $\geq 0,1$ ms

Pacemaker detection frequency: 22.8 kHz

Frequency range: 0 Hz – 250 Hz (IEC/AHA)

Measuring range: dynamic ± 10 mV, DC ± 300 mV

CMRR: >90 dB

Input impedance: 100 M Ω

Defibrillation protection: 5000 VDC

Patient leakage current: NC < 10 µA SFC < 50 µA

Skewing between channels: 0 s

Amplitude quantification: 50nV/LSB

Interfaces & Communication

Interface: LAN (Ethernet 1 Gbit), 2x USB, Potential equalisation, Kensington lock

WiFi: 802.11a, b, g, n

- Security protocol: WPA2 Enterprise / IEEE 802.11, WPA2-PSK, WPA-PSK, WEP64/128-PSK, Encryption: AES and TKIP

PDF export: PDF / A-1a or b (A4 or letter) to USB stick

Memory

Internal memory: up to 350 ECG, 100 Resting Rhythm Recordings and 10 exercise ECG

Filter

Myogram filter: LP 25, LP 40, LP 150Hz or off (250 Hz)

AC filter: 50 or 60 Hz

Recording functions

12 lead simultaneous analysis

On screen review of ECG

Signal quality check and lead reversal detection

Standard, Cabrera

Lead configuration: Standard 12 lead, Pediatric, Right precordial, Standard C4r, left posterior, Nehb

Recording functions

Provides 10 seconds of instantaneous ECG acquisition

Resting Rhythm up to 10 minutes

Basic exercise ECG

Computerized measurements

QT correction: Bazett, Fredericia, Framingham or Hodges

Standards

Certification:

Safety and performance standard: 60601-1: Conforms with or exceeds IEC/EN 60601-1 and IEC/EN 60601-2-25

Protection class according 60601-1: I

Applied part according to 60601-1: CF

Classification according to Directive 93/42/EEC: IIa

Notified body: CE0123

Components

Display

Colour LCD

LCD Resolution: 1024*768

LCD Size: 8"

Displayed leads: 6 or 12

Sensitivity: 5, 10, 20 mm/mV

ECG speed: 12.5, 25, 50 mm/s

Review ECG:

- on a grid of 88 x 152 mm
- Review speed: 12.5/25/50 mm/s
- Review amplitude: 5/10/20 mm/mV

Review Resting Rhythm:

- on a grid of 95 x 140 mm
- Review speed: 6.25 or 12.5 mm/s
- Review amplitude: 2.5 or 5 mm/mV

Printer

Internal Thermal Printer

Selectable Print Formats

Real-time rhythm strip (Manual mode)

Printing number of traces in Real-time rhythm: 6 or 12

Thermal paper format: Z-folded, 210 mm wide (A4, 8.5 x 11 inches)

Paper speed manual printout: 12.5/25/50 mm/s

Sensitivity manual printout: 5/10/20 mm/mV

Keyboard

Sealed silicon alphanumeric keyboard

12 touch keys: Multifunctional keys

3 direct keys: Acquire resting ECG, start manual printout stop manual printout

Extended data sheet only for tenders



SCHILLER
The Art of Diagnostics



CARDIOVIT AT-102 G2

Options

Hardware

- Trolley
- Schiller vacuum electrode system
- Barcode scanner

Software

- ETM (computer-aided ECG interpretation):**
 - ETM for adults and children incl. ETM Sport
- Culprit Coronary Artery Algorithm Software (CCAA)
- Worklist
- Basic exercise ECG

Communication

- Schiller Server required**
 - PDF export to HIS/EMR
 - DICOM/HL7 ECG export to HIS/PACS
 - HIS/EMR patient import for PDQ
 - HIS / EMR Results Export
- Schiller Link**
 - PDF export to EMR
 - Patient data import

Warranty

Our general terms and conditions are available on www.schiller.ch

Technical datasheet for Part no.: 2.500767 | 2018/05, EN



SCHILLER
The Art of Diagnostics