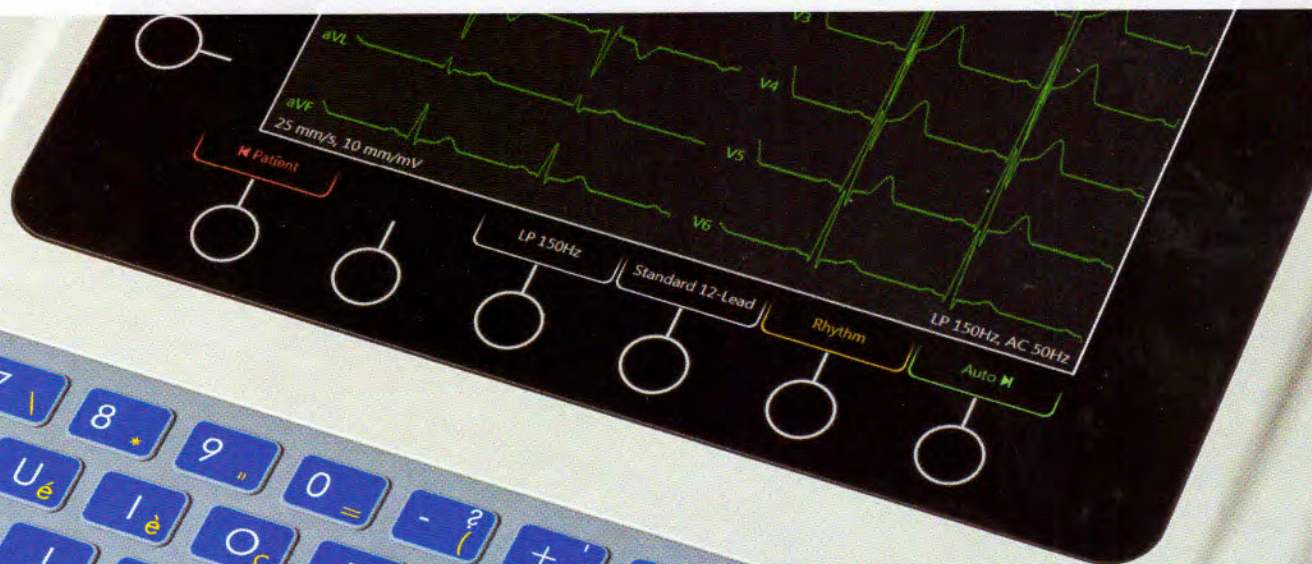


SCHILLER

CARDIOVIT AT-102 G2

Easy, smart and state-of-the-art

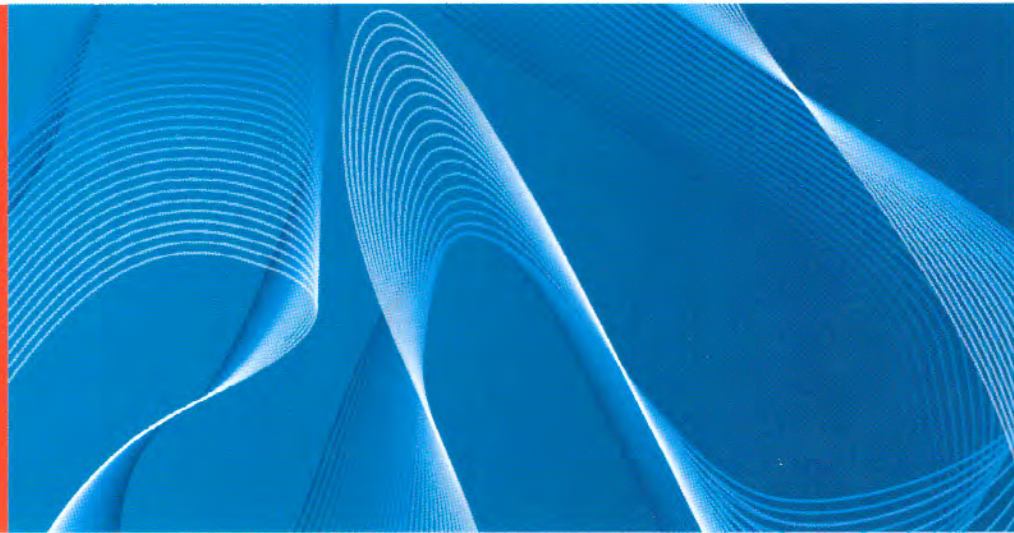


SCHILLER
The Art of Diagnostics

CARDIOVIT AT-102 G2

The new generation ECG
CARDIOVIT AT-102 G2:

- ✦ 32000 Hz sampling frequency
- ✦ Robust and reliable for hospitals and clinics
- ✦ Fast bidirectional Wi-Fi communication with HIS/EMR
- ✦ Best signal quality and diagnostic algorithms for adult and paediatric patients



STATE-OF-THE-ART TECHNOLOGY AND CONNECTIVITY

The CARDIOVIT AT-102 G2 features an 8" colour display with touch function keys. Moreover, its sealed alphanumeric keyboard ensures easy cleaning, making it highly suitable for the daily clinical routine. Smart Battery technology guarantees more than 8 hours of ECG recording.

Customizable printout are available on the internal high resolution A4 thermal printer.

HIGH EFFICIENCY IN ANY WORKFLOW

ECG acquisition has never been easier and faster.



EASY 1-2-3 STEPS

- 1: Enter or download patient data
- 2: Control signal quality and lead reversal, and perform ECG
- 3: Review ECG before storing, exporting or printing

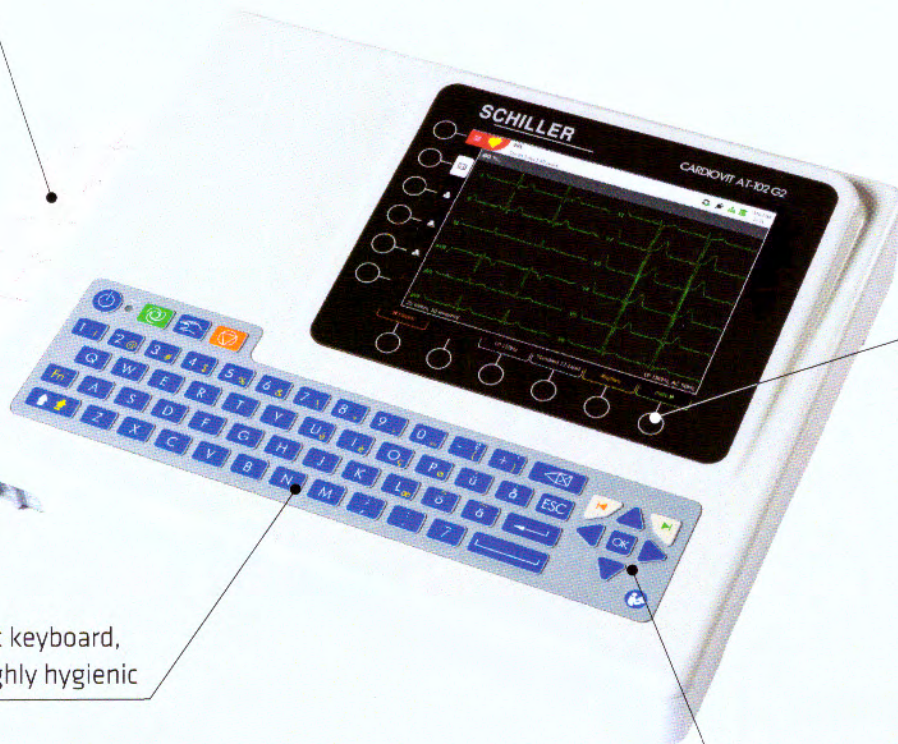
BEST SIGNAL QUALITY AND DIAGNOSTIC TOOLS

SCHILLER's most advanced algorithms are implemented in the CARDIOVIT AT-102 G2:

PAEDIATRIC ECG: Thanks to very high sampling frequency and a large frequency band up to 250 Hz, the CARDIOVIT AT-102 G2 offers optimal signal quality for paediatric ECG.

RESTING RHYTHM: With the CARDIOVIT AT-102 G2, resting rhythm can be recorded for up to 10 minutes. Full disclosure, HR trend and events can be reviewed, stored and printed,

Internal high resolution
A4 thermal printer



Touch function keys

Sealed alphanumeric keyboard,
easy to clean and highly hygienic

Navigation keys allow high
efficiency in any workflow

EXERCISE ECG: The CARDIOVIT AT-102 G2 can optionally perform basic exercise ECG with a large selection of protocols for treadmills and ergometers. A complete review and report of the test with trends, step table, interpretation template and event list are available.

ETM WITH ETM SPORT: One of the industry's most renowned, simultaneous 12-lead ECG interpretation program for uncompromising quality and reliability.

ETM Sport is the first automated ECG interpretation module designed for athletes, based on the Seattle Criteria.

CCAA: SCHILLER's Culprit Coronary Artery Algorithm is used in emergency departments and outside the hospital whenever a fast decision on chest pain is required immediately. It locates the obstruction site in the coronary artery and thereby the size of the cardiac area at risk.

Technical Data CARDIOVIT AT-102 G2

System

Device

Dimensions: 384 x 319 x 90 mm (l/w/h)
Weight: approx. 4.5kg 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: 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-protection (only with original SCHILLER patient cable)

Interface & Communication

Interface: LAN (Ethernet 1 Gbit), 2x USB, Potential equalisation, Kensington lock
WiFi: 802.11a, b, g, n
-Security protocol: WPA2 Enterprise/ IEEE802.1, WPA2-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 Recording 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
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
ETM (computer-aided ECG interpretation):
ETM for adults and children included

Standards

Certification

Safety and performance standard: 60601-1: Conforms with or exceeds IEC/EN 60601-1 and 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/mV
- 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: Multi functional keys
3 direct keys: Acquire resting ECG, start manual printout stop manual printout

Options

Hardware

Trolley
Schiller vacuum electrode system
Barcode scanner

Software

Culprit Coronary Artery Algorithm Software (CCAA)
Exercise ECG
ETM sport

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 PC

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

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