



CARDIOVIT MS-2015

Tablet ECG for the New Generation

Defining the new horizon
of electrocardiography

12-lead high-end ECG system

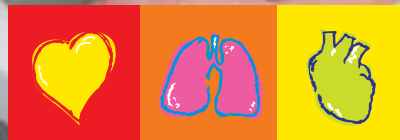
For resting ECG's

Display

15" full color touch screen

Speed

Instant-on and ECG printout in less than
3 seconds



SCHILLER

The Art of Diagnostics

Technical Data **CARDIOVIT[®] MS-2015**

System

Dimensions: 359 x 282 x 58 mm (l/w/h)

Weight: 3.3 kg including rechargeable battery and paper

Electric parameters:

Power: Mains or battery operation

Voltage: 100 to 240 V AC

Current: 1.0 A (100 V) - 0.6 A (240 V)

Frequency: 50/60 Hz

Battery type: Rechargeable lithium polymer battery, replaceable by the user, battery capacity for 100 ECG printouts or 2 hours of continuous display (without printing)

Battery recharging time: Approx. 2 hours after full discharge under switch off condition

Power consumption: Approx. 40 VA

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

ECG amplifier:

- Sampling frequency: 4000 samples/second/channel
- Measuring range: Dynamic ± 10 mV, DC ± 300 mV
- Pacemaker detection: $> \pm 2$ mV / pulse width > 0.1 ms
- Frequency range: 0.05 Hz - 150 Hz (IEC/AHA) / 0.05 Hz - 300 Hz (for children and single averaged ECG (SAECG))
- CMRR: > 100 dB
- Digital resolution: 5 μ V / 18 bit
- Input impedance: 100 Mohm
- Patient leakage current: $< 5\mu$ A
- Patient input circuit: Fully floating and isolated, defibrillation protected
- Defibrillation protection: 5000 VDC

Special recording functions:

- Detection of loose electrodes, electrode impedance, overvoltage, AC noise, baseline fluctuations and muscle tremor
- Heart rate measurement: Up to 300 beats per minute
- Rs 232(V24) serial interface: Spirometry (Spirovit sensor 250 or 260)
- USB x 4: Universal Serial Bus connection for USB devices

Communication:

SCM (SCHILLER Communication Module):

Communication with SEMA-200 via:

- Ethernet (LAN) RJ-45 connector
- IEEE 802.11b, IEEE 802.11g WPA, WPA2, WEP and SSID (Invisible)

Internal memory: 350 ECG recordings

Filters:

- Myogram filter: Adjustable to 25 or 35 Hz
- SSF: SCHILLER Smoothing Filter
- SBS: SCHILLER Baseline Stabiliser

Display

Display type: Resistive color LCD touch screen with LED back light, diagonal 15 inch (381mm)

Display Resolution: 1042 x 768 pixels

Display Data: Heart rate, patient name, patient number, time, curves, lead designations, speed, amplification, filter settings and warnings, Date & Power source

Number of leads displayed on the screen: 6, 2 x 6, 4 x 3+1 rhy and 12

Lead combinations: Up to 12 simultaneous leads: Standard/ Cabrera

Printer

Printing technology: High-resolution thermal printing
8 dots/mm (amplitude axis), 16 dots/mm (time axis), @ 25 mm/s
Frequency range: 0.05 Hz - 300 Hz (IEC/AHA)
Chart speed: 12.5, 25 & 50 mm/s
Sensitivity: 5, 10, 20 & 40 mm/mV (automatic baseline adjustment)
Paper type: Thermo reactive, Z-folded, 21 x 29.7 cm (DIN A4; letter size) optimal positioning on a width of 200 mm
Writing width: 6 or 12-channel printout in manual mode

Keyboard

Type: Operation and entry directly via the touch screen keyboard

Software

- Software CTM ECG analysis program for adults / children
- Thrombolysis software
- Spirometry (optional)

Standards

Ambient condition:

Temperature: Operation: 10° to 40° C

Transport / storage : -10° C to 50° C

Humidity: Operation: 10 % to 95% non condensing;

Transport storage: 15 % to 95% non condensing

Pressure: Operating: 700 to 1060 hPa;

Transport storage: 500 to 1060 hPa

Certification

Protecting class: II according to IEC 60601, with functional earth, lia according to Directive 93/42EEC

Safety Standard: CF according to IEC 60601-1; IEC 60601-1-2, IEC 60601-2-51, ANSI/AAMI EC11

Conformity: CE according to Directive 93/42/EEC



Standards Accessories

- 10-lead patient cable - 1 no.
- 1 set of electrodes, consist of 4 extremity clamp electrodes, 6 chest electrodes and bulbs
- Jelly bottle - 1 no.
- Power cable - 1 no.
- Recording paper -1 pack
- User manual - 1 no.
- Interpretation manual - 1no.
- Warranty card - 1 no.

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

Technical data are subject to change without notice

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