



# CARDIOVIT AT-104 PC

## Technical Data CARDIOVIT AT-104 PC:

### System:

**Dimensions:** 230 x 150 x 50 mm (l/w/h)

**Weight:** approx. 1.9 kg

### Control elements:

Direct function keys for Start/Stop/MAN/AUTO ECG recording

**Power supply:** 115/230 V (nominal), 50/60 Hz

**Power consumption:** max. 40 VA

**Battery:** mains-independent operation with integrated rechargeable battery for approx. 30 minutes of ECG printout

### Printouts on the integrated thermal printer:

**Printing technology:** integrated high-resolution thermal head printer, 8 dots/mm (amplitude axis), 40 dots/mm (time axis), @ 25 mm/s

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

**Chart speed:** 10 / 25 / 50 mm/s (manual printout)

**Sensitivity:** 5 / 10 / 20 mm/mV, automatically set or manually selected

**Channels:** 3

**Paper type:** thermo-reactive, Z-folded, 90 mm wide, approx. 23 m long

**Writing width:** 3-channel printout, optimal positioning on a width of 60 mm, automatic baseline adjustment

### Technical Data for ECG:

#### ECG amplifier:

- Simultaneous, synchronous recording of all 8 active electrode signals (= 12 leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection:  $\pm 2$  mV / duration  $> 0.1$  ms

#### Standard:

- SCHILLER resting ECG software incl. measurement software
- Rhythm recording of resting ECGs
- QT dispersion
- Serial comparison
- Worklist

### PC minimum requirements:

The PC, laptop or notebook has to fulfil the following minimum requirements:

- Processor: Pentium III 1.0 GHz or higher
- RAM: 256/512 MB
- Hard disk: at least 40 GB
- Interfaces: 2 (free) serial RS-232 / USB
- Graphics board: SVGA 1 MB with 1024 x 768 resolution or higher
- Other: mouse, keyboard, CD-ROM
- Operating system: Windows™ XP Professional

### Hardware options:

- Suction electrode system
  - Treadmill, bicycle, couch ergometer
- The hardware can be upgraded anytime.

### Software options:

- ECG interpretation: Software C™ ECG analysis software for adults and children
  - Exercise ECG software EXEC
  - Exercise ECG software EXEC plus
  - PC spirometry
  - PDF export
  - Barcode scanner
- The software can be upgraded anytime.

### Barbone PC:

Shuttle Barbone SS58G2 with Shuttle Mainboard FS58 (dimensions: 30 x 20 x 18 cm, l/w/h)

### Norms:

#### Environmental conditions:

**Temperature:** operation: 10° to 40 °C; transport/storage: -10° to 50 °C

**Humidity:** operation: 20 % to 95 % relative humidity, non-condensing

**Pressure:** operation: 700 to 1060 hPa

**Patient input circuit:** fully floating and isolated, defibrillation-proof (only with original SCHILLER patient cable)

**Certification:** Safety standards: IEC/EN 60601-1; IEC/EN 60601-2-25; IEC 60601-1-2 (EMC)

**Protection class:** I according to IEC/EN 60601-1 (with internal battery)

**Applied part:** CF according to IEC/EN 60601-1

**Conformity:** CE according to Directive 93/42/EEC (medical devices)

**Classification:** IIa according to Directive 93/92/EEC

### Warranty:

Standard warranty period is one year

### Accessories:

All our accessories are available at [www.schiller.ch](http://www.schiller.ch)

Technical data are subject to change without notice.



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