

CARDIOVIT AT-2

Exceed your Expectations,
not your Budget!



CARDIOVIT AT-2 – Why compromise Performance and Reliability when you can have it all in one affordable ECG-System?

The AT-2 is a low cost ECG system with performance features previously only available in high priced systems. Using the latest design and manufacturing technology, the AT-2 provides A4 reports within seconds at the touch of a button. Optional is an automatic measurement and interpretation program as well as a trolley.

- Full-size A4 reports to fit patient charts
- Powerful battery, which lasts for 400 recordings or 6 hours continuous use
- Built-in thermal printer
- Up to 20 different printout formats
- Realtime printout of 6 channels with 5, 10, 25 oder 50 mm/s
- Various recording rates
- Simultaneous 12 lead ECG acquisition
- Printouts in less than 20 seconds for immediate analysis
- Auto printout of all **12 channels** on 1 or 2 pages
- Copy function for unlimited number of copies
- AC/DC power supply with built-in rechargeable battery, built-in charger unit
- Portable – weighs only 4.8 kg
- CE labelled
- Meets or exceeds U.S. and international quality standards

Options:

- *Measurement and interpretation software*
- *Cart*

Seeing is believing... call now for a no-obligation demonstration!



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The Art of Diagnostics

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Technical Data AT-2:**System:****Dimensions:** 400 x 330 x 101 mm, approx. 4.8 kg**Power supply requirements:** 220 – 240 V (nominal), 50/60 Hz or 100 – 115 V (nominal), 50/60 Hz independent operation with built-in rechargeable battery, LED indication for mains and battery, built-in charger unit**Power consumption:** Max. 28 VA**Battery charging time:** 15 hrs. from a completely discharged battery, 3 hrs. to 60 % capacity**Battery capacity:** 6 hrs. of normal use or 400 automatic ECG printouts**Frequency range of digital recorder:** 0 Hz – 150 Hz (IEC/AHA)**Patient input circuitry:** Fully floating and isolated, defibrillation protected (only with original SCHILLER patient cable)**Control panel and keyboard:** User-friendly key pad, LED indicators**LED indicators:**

- Lead group
- Mains connected
- Battery operation and low battery (indicator flashes)
- Paper tray empty or jammed
- Filter status (on/off)
- Loose electrodes

Leads: 12 simultaneous leads: Standard / Cabrera**Myogram (muscle tremor) filter:** Adjustable at 25 or 35 Hz (also for copy function)**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: Amplitudes from ± 2 to ± 700 mV and pulse widths from 0.1 to 2.0 ms

Printing (built-in thermal printer):**Paper speed:** 5 / 25 / 50 mm/s (manual printout)**Sensitivities:** 5 / 10 / 20 mm/mV, either automatically adjusted or manually selected**Chart paper:** Thermoreactive, Z-folded, A4 (letter size), perforation each page, approx. 60 m**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 lead programs:

6/12 channel representation of 12 simultaneously acquired standard leads on one or two pages, full letter size (A4)

Data record:

- With optional measurement and interpretation program: ECG measurement results (intervals, amplitudes, electrical axes), average complexes with optional measurement reference markings, ECG interpretation statements
- Various format possibilities

Recording tracks: 6 channels, positioned at optimal width on 200 mm, automatic baseline adjustment**Norms:****Safety standard:** CF according to IEC/EN 60601-1 and IEC/EN 60601-2-25, CSA C22.2 No. 601.1-M90, UL 2601-1**Protection class:** I according to IEC/EN 60601-1 (with internal battery)**Classification:** IIa according MDD 93/42/EEC**Conformity:** CE according to MDD 93/42/EEC**Environmental conditions:**

- Temperature, operating: 10° to 40° C / 50° to 104° F
- Temperature, storage: -10° to 50° C / 14° to 122° F
- Relative humidity, operating: 25 to 95 % (non-condensing)
- Pressure, operating: 700 to 1060 hPa

Patient leakage current: < 5 μ A**Scope of delivery:****CARDIOVIT AT-2 basic unit** with 12-lead Resting ECG**Accessories:**

- 10-lead patient cable
- 500 disposable electrodes or reusable electrode set
- Snapclip adapter for disposable electrodes
- Power cable
- 2 pkg. of recording paper
- Operating manual
- Cart (optional)

Software option: Automatic measurement and interpretation program for Resting ECGs (intervals, amplitudes, electrical axes, average complexes with optional measurement reference markings)

Technical data are subject to change without notice.

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