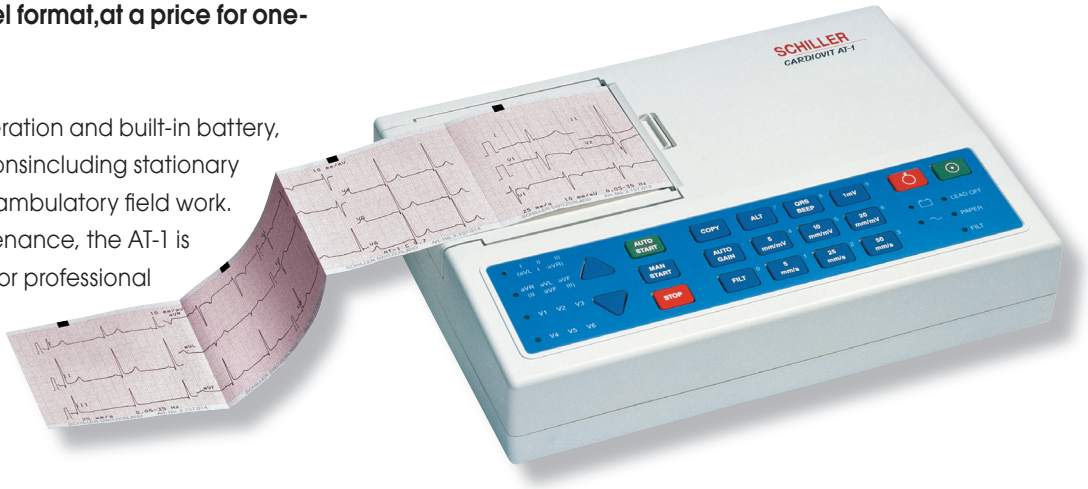
CARDIOVIT AT-1

Bet on this 3-channel ECG by SCHILLER!

The CARDIOVIT AT-1 performs quick and accurate 12-lead ECG analysis, in a three channel format,at a price for one-channel systems.



With its compact, easy-to-use operation and built-in battery, the AT-1 is perfect for all applicationsincluding stationary office use, hospital bedsides and ambulatory field work. Reliable, powerful and low-maintenance, the AT-1 is the ideal cost-effective ECG unit for professional electrocardiography.
Over 100'000 units have been sold worldwide!

3-channel Resting ECG

- Simultaneous 12-lead acquisition
- 3-channel print format
- One-button operation
- Multiple report formats
- Copy functions
- Various recording rates
- Automatic and manual modes
- Built-in thermal printer
- Built-in, rechargeable battery
- Built-in charger unit
- Lightweight (2,9 kg/6.7 lbs)

Options:

- Measurement software
- Interpretation software

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Technical Data AT-1:

System:

Dimensions: 290 x 210 x 69 mm / 11.4 x 8.3 x 2.7 in. (l/w/h)

Weight: Ca. 2.9 kg / approx. 6.7 lbs

Power supply requirements: 220 – 240 V (nominal), 50/60 Hz or 110 – 115 V (nominal), 50/60 Hz independent operation with built-in rechargeable battery, LED indicator 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: 2 hrs of normal use

Leads: Standard / Cabrera

Patient input circuitry: Fully floating and isolated, defibrillation protected (only with original SCHILLER patient cable)

Frequency range of digital recorder: 0 Hz to > 150 Hz (IEC/AHA)

ECG amplifier:
- Simultaneous, synchronous registration of all 9 active electrode signals (= 12 standard leads)
- Sampling frequency: 1000 Hz
- Pacemaker detection: ≥ ± 2 mV/ ≥ ± 0.1 ms

Myogram (muscle tremor) filter:
25 Hz (40 dB/dec) or 35 Hz (20 dB/dec), programmable

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

Control panel: Pad keys, LED indicators

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

Norms:

Safety Standards: IEC/EN 60601-1; UL 60601-1; C22.2 No. 601.1-M90; IEC/EN 60601-2-25; IEC/EN 60601-1-2 (EMC)

Protection Class: I according to IEC/EN 60601-1 (with internal power supply)

Applied Part: CF according IEC/EN 60601-1

Conformity: according Directive 93/42/EEC (Medical Devices)

Classification: IIa according Directive 93/92/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: 25 to 95 % (non-condensing)
- Pressure, operating: 700 – 1060 hPa

Printing (built-in thermal printer):

Paper speed: 5 / 25 / 50 mm/s (direct)

Sensitivity: 5 / 10 / 20 mm/mV, either automatically adjusted or manually selected

Chart paper: Thermoreactive, Z-folded, 90 mm / 3.5 in wide, or Roll, 90 mm wide

Printing process:
High-resolution thermal printhead
8 dots per mm / 200 dots per in (amplitude axes)
40 dots per mm / 1000 dots per in (time axes, @ 25 mm/s)

Recording tracks: 3 channels, positioned at optimal with on 80 mm / 3.2 in., automatic baseline adjustment

Automatic lead programs:
3 channel representation of 12 simultaneously acquired standard leads

Data record:
- With option M: ECG measurement results (intervals, amplitudes, electrical axes, average complexes with optional measurement reference markings)

Scope of delivery:

CARDIOVIT AT-1 basic unit with 3-channel Resting ECG with 12 simultaneous leads and pacemaker detection

Accessories:
- 10-lead patient cable
- 1 set of electrodes, consists of 4 stainless steel extremity electrodes, 6 precodial electrodes or disposable electrodes
- Electrode gel
- Power cable
- 1 pkg. of recording paper
- Operating manual
- Cart (optional)

Software-Options:
- Automatic measurement and interpretation program for resting ECGs

Technical data are subject to change without notice.

06/08
Part no.: 2.500175

Your specialist:

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