

**P8000**



**High Power in Small Size**

**ESAOTE**  
THE IMAGE OF INNOVATION™

...It doesn't matter  
how hard  
your job is...



## P8000

COMPACT DESIGN  
HIGH TECH AND  
PERFORMANCE

Welcome to the P8000, your digital passport to the ECG world!

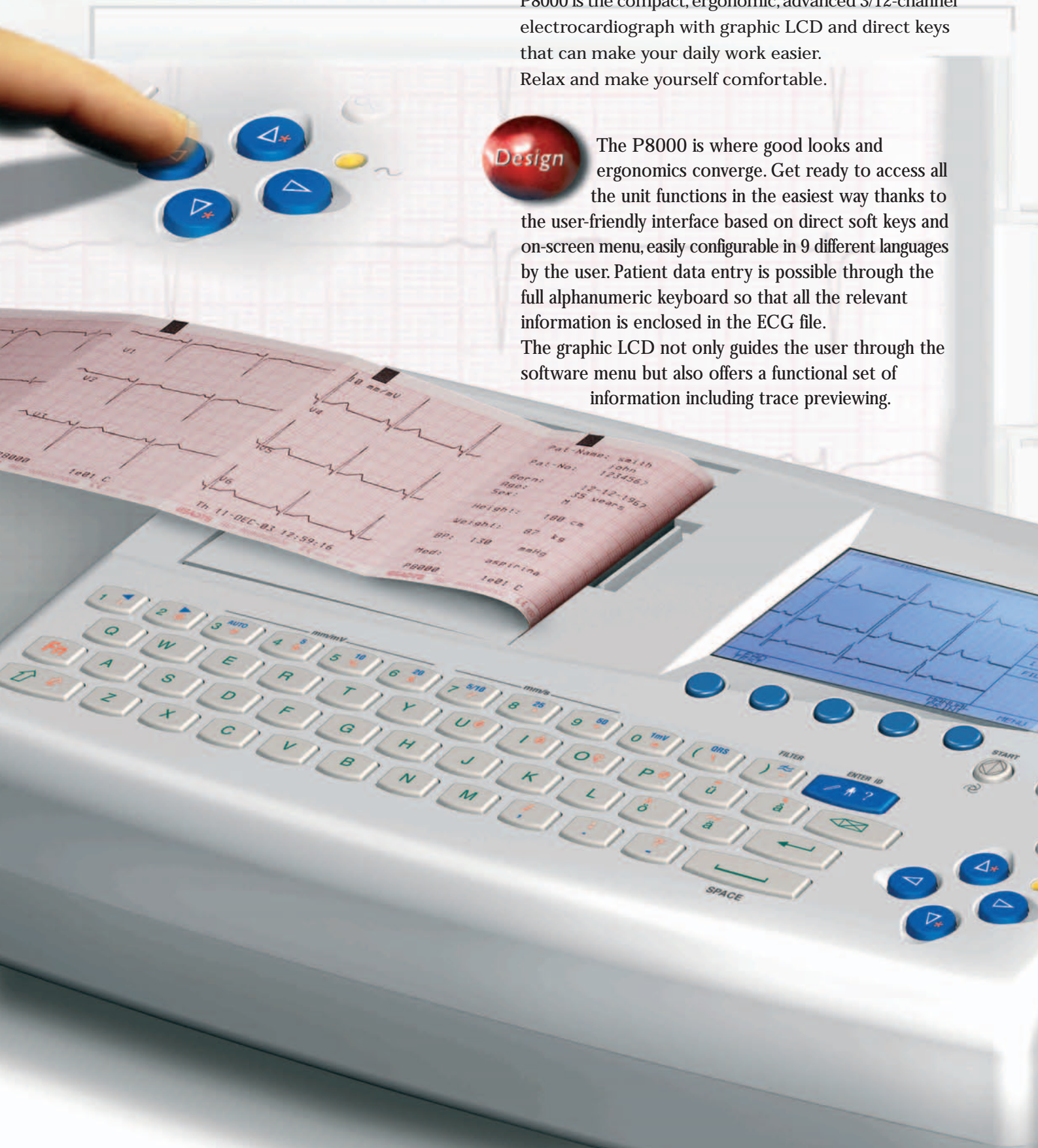
P8000 is the compact, ergonomic, advanced 3/12-channel electrocardiograph with graphic LCD and direct keys that can make your daily work easier.

Relax and make yourself comfortable.



The P8000 is where good looks and ergonomics converge. Get ready to access all the unit functions in the easiest way thanks to the user-friendly interface based on direct soft keys and on-screen menu, easily configurable in 9 different languages by the user. Patient data entry is possible through the full alphanumeric keyboard so that all the relevant information is enclosed in the ECG file.

The graphic LCD not only guides the user through the software menu but also offers a functional set of information including trace previewing.





Advanced soft-keys



Easy portability



Enhanced connectivity



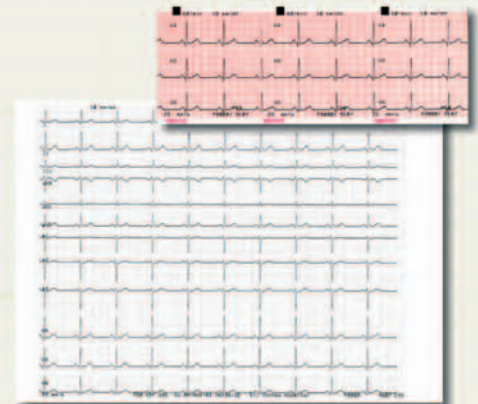
The P8000 has been conceived as a modular device in order to meet your exact requirements.

The unit is available in two different configurations: Basic, which includes a skilful measurement program, and Interpretive, which supports you in diagnosis. Two more options can be enabled: the memory option, dedicated to portable applications and/or PC connections for data transfer in a Windows® environment, and the Thrombolysis option, to support therapy advisability. The P8000 is equipped with an integrated high-resolution 3-ch thermal printer but can also be connected to an external inkjet or standard laser PC printer, expanding into a 12-ch on inexpensive A4/Letter size, white paper. Any external printer is automatically detected when connected and switched on with no need for extra settings.



The P8000 offers a comprehensive set, in fact the highest in its range, of tools to perform a complete patient analysis in resting ECG.

The measurement program can detect and calculate the main curve onsets and offsets, the amplitude and duration of P, QRS and T-wave, while



Dual Printout Capability

the interpretation module, with adult and pediatric option, adds relevant diagnostic statements.

A wide range of printout formats supports optimum results displaying from the 12 simultaneously acquired leads, with clear-cut and crisp traces thanks to the advanced filtering systems.

All the features of the P8000 have been included in a small and compact case to increase portable applications.

The P8000 is the result of a perfect compromise between size and performance: a compact hard worker.

The internal memory and the high-capacity rechargeable battery offer the ideal support for hospital ward and emergency situations, while integration with the most advanced communication devices allows on the field applications.

Data acquired can later be transmitted in a Windows® environment for advanced exam management, including archiving, reporting, printing and statistical calculation.



## Technical Characteristics

### General

- Dimensions and weight: 290x198x76 mm (LxWxH), 2.6 Kg
- Power Supply: 220-240 V (nominal), or 110-115 V (nominal), 50-60 Hz
- Power consumption: Max. 28VA
- Built-in graphical LCD: 76x57 mm effective display area, 320x240 dots resolution (QVGA)
- 12 simultaneously acquired leads
- Battery: lead acid 12V, for 4h. of normal use (300 ECG printouts)

### ECG amplifier

- Sampling: 1000Hz
- Digital Resolution: 5 $\mu$ V/12 bit
- Sensitivity: 5/10/20 mm/mV, automatically or manually selectable
- CMRR: >100dB
- Input Impedance: >100M $\Omega$
- Frequency Response: 0÷150Hz (IEC/AHA)
- Pacemaker detection:  $\geq \pm 2$  mV/  $\geq 0.1$ ms
- Measurement Range: dynamic  $\pm 10$ mV, DC  $\pm 300$ mV
- Defibrillation protection: 5000VDC

### Filters

- Base Line: 0.05, 0.15, 0.30 Hz
- FIR: 25 or 35 Hz
- Algorithms for baseline stabilization and myogram noise reduction
- AC noise filters: 50 or 60 Hz

### Storage support

- Internal memory (option): about 40 rest ECG examinations

### Connections

- 1 RS232 serial port
- 1 parallel connector

### Built-in thermal printer

- 3ch high resolution, 8 dots/mm (amplitude axis), 40 dots/mm (time axis) @ 25 mm/s
- Paper Speed: 5/10/25/50 mm/s
- Paper size: 80mm wide, Z-folded (72mm printable area)

### External printer (\*)

- 12ch high resolution
- Laser and inkjet technology
- Standard parallel connecting cable

### Options:

- Adult and pediatric Interpretive programs
- Memory up to 40 records
- Communication board (available shortly)
- Thrombolysis (only with Interpretive option)
- Data Management Software for PC connection

(\*) Valid only with Esaote-supplied printers



833 0687 000 (MA Rev.A)



EN 46001 ISO 9001  
ISO 13485

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AREA DISTRIBUTOR

Medical Device CE marked under the provisions of the 93/42 EEC Directive

# P8000

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