

ELECTROCARDIOGRAPH CARDIOMATE PC ECG

- AVAILABLE IN TWO MODELS:
- PC ECG - USB
 - PC ECG BLUETOOTH (WIRELESS)

Available in two models, with USB or Bluetooth connection, SPENGLER PC ECGs offer the XXL performance levels of conventional ECGs. With a 32,000 Hz sampling rate and ultra high performance software, our PC ECGs will perfectly meet the requirements of even the most demanding or those seeking ease of use.



AMAZING ACCURACY



INTUITIVE AND EFFECTIVE



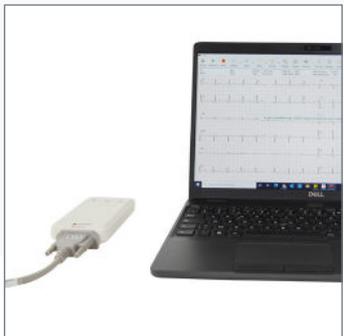
ACCESSIBLE DATA



12 TRACK PRINTING



MOBILE



CE
0123
Class IIa



ELECTROCARDIOGRAPH CARDIOMATE PC ECG



AMAZING ACCURACY

- Record breaking sampling rate, electrical activity is recorded down to the last detail.
- Enhanced processing power for optimum analysis



INTUITIVE AND EFFECTIVE

- Simple, powerful and easy to use PC software
- Real-time 12 branch display on the screen of your choice (PC, TV, smartphone, tablet)
- Automatic interpretation and interval calculation



ACCESSIBLE DATA

- ECG recording to PC and/or smartphone and tablet (Bluetooth version only) for easy transfer.
- Patient database and examination comparisons



12 TRACK PRINTING

Desktop printer printing, no more thermal paper!



MOBILE

Miniature and lightweight, generate an ECG with your laptop PC, smartphone* or tablet* (*Bluetooth version only)

TECHNICAL SPECIFICATIONS

Diversions	12 standard diversions
Input circuit	Built-in protection against defibrillators
Sampling	32,000 Hz
Frequency response	0.01 Hz~350 Hz
Common mode rejection rate (CMRR)	≥110dB (AC filter off), ≥120dB (AC filter on)
Polarisation voltage	>±950 mV
Sensitivity	1.25 mm/mV, 2.5 mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, 10/5 mm/mV, 20/10 mm/mV, AGC
A/D converter	24bit
Recording rate	5 mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50mm/s
Input impedance	≥100MΩ
Time constant	≥5s
Noise level	≤10uV
PC software	Windows compatible Android compatible (Bluetooth version only)
Functions	Real-time 12 diversion viewing; 10s, 60s or continuous recording; Zoom, rule and study comparison
Database	Patient database management on a PC (and for Android on the Bluetooth version only)
Report format	PDF, JPEG, XML, FDA-XML, SCP, DICOM
Power supply	USB power supply Two AAA batteries (Bluetooth version only)
Filters	EMG filter: 25 Hz / 30 Hz / 40Hz - DFT filter: 0.05 Hz / 0.15 Hz / 0.25 Hz / 0.32 Hz / 0.5 Hz / 0.67Hz/ Filter: AC 50 / 60Hz - Low pass filter: 75 Hz / 100 Hz / 150 Hz
Case	Dimensions 68 x 126 x 24 mm (L x W x H) Weight 104 grams Weight 132 grams (Bluetooth version only)
Includes	1 patient cable, 4 extremity electrodes (clamps), 6 chest electrodes (suction cup), 1 USB cable, PC ECG software + USB dongle and 1 user's manual. (+ Android software, Bluetooth dongle for the Bluetooth version only)
SPENGLER GUARANTEE	2 YEARS
LEGAL GUARANTEE	Lifetime

DESCRIPTION	REFERENCE
Cardiomate PC ECG	260039
Cardiomate PC ECG Bluetooth	260040

SPENGLER QUALITY

CE marking

European directive 93/42/EEC: Class IIa. The Cardiomate® meets essential health, safety, hygiene and environmental protection requirements.

After-Sales

Spengler SAS provides maintenance and repairs for their equipment.

Legal guarantee

(Art. 1641 and 1648 of the French Civil Code): The Cardiomate® comes with a lifetime guarantee against all defects and hidden manufacturing faults

from the date of purchase.

Spengler guarantee

The Cardiomate® is guaranteed for two years under normal conditions of use.

The guarantee does not cover wearing parts, impact damage and defective maintenance by the user.



www.spengler.fr

Spengler S.A.S | 30 rue Jean de Guiramand | 13290 Aix en Provence | FRANCE

Phone: **+33 (0)4 42 52 89 89**

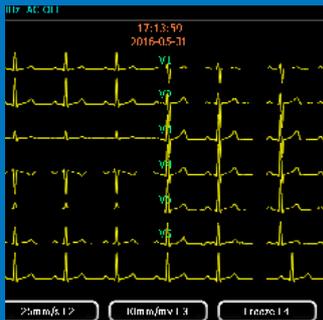
Email: contact@spengler.fr

ELECTROCARDIOGRAPH

CARDIOMATE 3[®] & 6[®]



CE
0123
Classe IIa



CARDIOMATE 3[®] & 6[®] ADVANTAGES:

- ✓ LCD COLOR 7" TILT
- ✓ BATTERY LIFE 1080 ECG
- ✓ MEMORY 10000 ECG WITH 4GB SD CARD (INCLUDED)
- ✓ ACQUISITION OF 12 SIMULTANEOUS TRACKS
- ✓ AUTOMATIC INTERPRETATION
- ✓ CARRYING HANDHELD

ECG Cardiomate 3[®] and 6[®] are robust and reliable ECG. Featuring a 7" color screen tilt they allow viewing 12 lead simultaneously. Simple to use, recording and printing ECG are triggered with only one button. The Cardiomate 3[®] & 6[®] are Cardiomate equipped with the latest technology storage and communication (SD, USB card, network) that can record internally to 10 000 ECG, send them to a computer (optional software) or directly to an external printer.

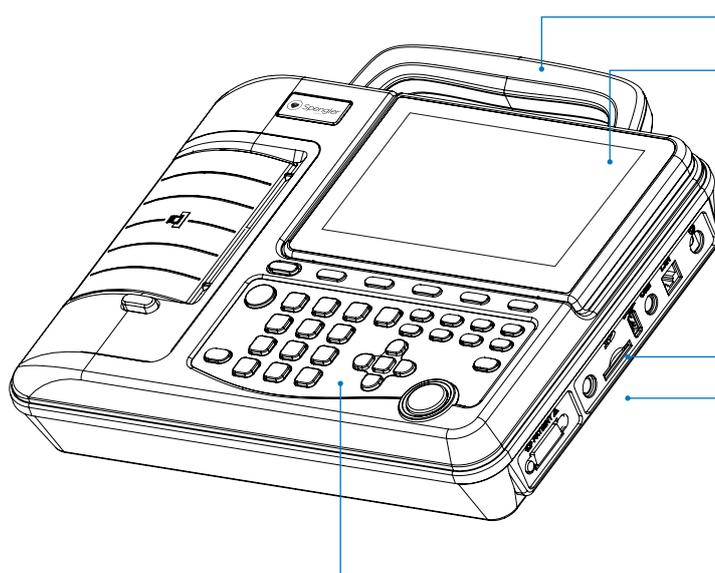
The Cardiomate 3[®] & Cardiomate 6[®] are equipped with automatic interpretation and pacemaker detection.

The internal battery life of 3 hours, their lightness and carrying handle make Cardiomate 3[®] & Cardiomate 6[®] the perfect companion in the office or traveling.

Ready to use

The Cardiomate 3[®] & 6[®] come with 1 patient cable, 4 end electrodes (pliers), 6 chest electrodes (suction cup), 1 power cable, 1 roll of thermal paper, 1 SD card 4GB and manual use.





CARRYING HANDHELD

TILTING SCREEN

7-inch color LCD display (resolution: 800x480 px)

SD CARD INCLUDED

4GB SD card, 10,000 reports of ECG memory in XML / PDF / BMP / JPG / DICOM.

AUTONOMY

The operating life is 1080 ECG

AUTOMATIC INTERPRETATION AND INTERVALS CALCULATION

PACEMAKER DETECTION

NETWORK CONNECTIO, USB & PRINTER

PRINTING AND RAPID ANALYSIS

ACQUISITIONS AND DISPLAY 12 SIMULTANEOUS TRACKS

ALPHANUMERIC KEYPAD

TECHNICAL FEATURES

Lead	Standards 12 leads	Recording mode	Automatic: 3CH, 1CH+1R Manual: 3CH, 1CH+1R, 1CH Rythm: Any lead selectable
Input circuit	Built-in defibrillator protection	Recording system	Thermal matrix printing
Acquisition mode	Simultaneous 12 leads acquisition	Recording paper	Roll: 80mm x 20m (Cardiomate 3) Roll: 110mm x 20m (Cardiomate 6)
Measurement range	± 5mVpp	Paper speed	5 mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50mm/s
Time constant	≥ 3.2s	Display	7 inch LCD - 800x480 pixels
Frequency response	0.05Hz-150Hz (-3dB)	Interface	Network interface, USB Master/slave and SD card
Sensitivity	2.5, 5, 10, 20 mm/mV	Norme de sécurité	IEC 1/CF
Input impedance	≥ 50MΩ	Sample rate	Normal: 1000sps/channel & 10 000Hz with pacemaker
Input circuit current	< 0.05µA	Power	AC : 100-240V, 50/60Hz, 30VA-100VA DC : 14.8V/2200mAh, built-in lithium battery
Noise level	< 15µVp-p	Operating life	Normal use : 5 hours Continuous printing : 3 hours
Filter	EMG filter : 25 Hz / 30 Hz / 40Hz - DFT filter : 0.05 Hz / 0.15 Hz / 0.25 Hz / 0.32 Hz / 0.5 Hz / 0.67Hz/ ADS AC filter 50 / 60Hz - Low pass filter : 75 Hz / 100 Hz / 150Hz		
Product	Dimensions	310 x 244 x 65 mm (L x W x H)	
	Weight	2,25 kg (with battery)	
Included	1 patient cable, 4 end electrodes (pliers), 6 chest electrodes (suction cup), 1 power cable, 1 roll of thermal paper, 1 SD card 4GB and 1 user manual.		
SPENGLER WARRANTY	2 YEARS	In normal use	
LEGAL WARRANTY	LIFETIME	Against hidden and manufacturing defects	

Model	Reference
Cardiomate 3® - Electrocardiograph 3 channels	260 003
Cardiomate 6® - Electrocardiograph 6 channels	260 006

SPENGLER QUALITY

Quality insurance

French manufacturing certified NF EN ISO 9001: 2008 and EN ISO 13485: 2012.

CE marking

EEC European Directive 93/42: Class IIa. The Cardiometer® meets the essential safety, health, hygiene and environmental protection.

After sales service

Spengler SAS provides maintenance and repair of equipment.

Legal warranty

(Article 1641 and 1648 of the Civil Code.) The Cardiometer® is guaranteed for life against defects and workmanship hidden from the date of purchase.

Spengler warranty

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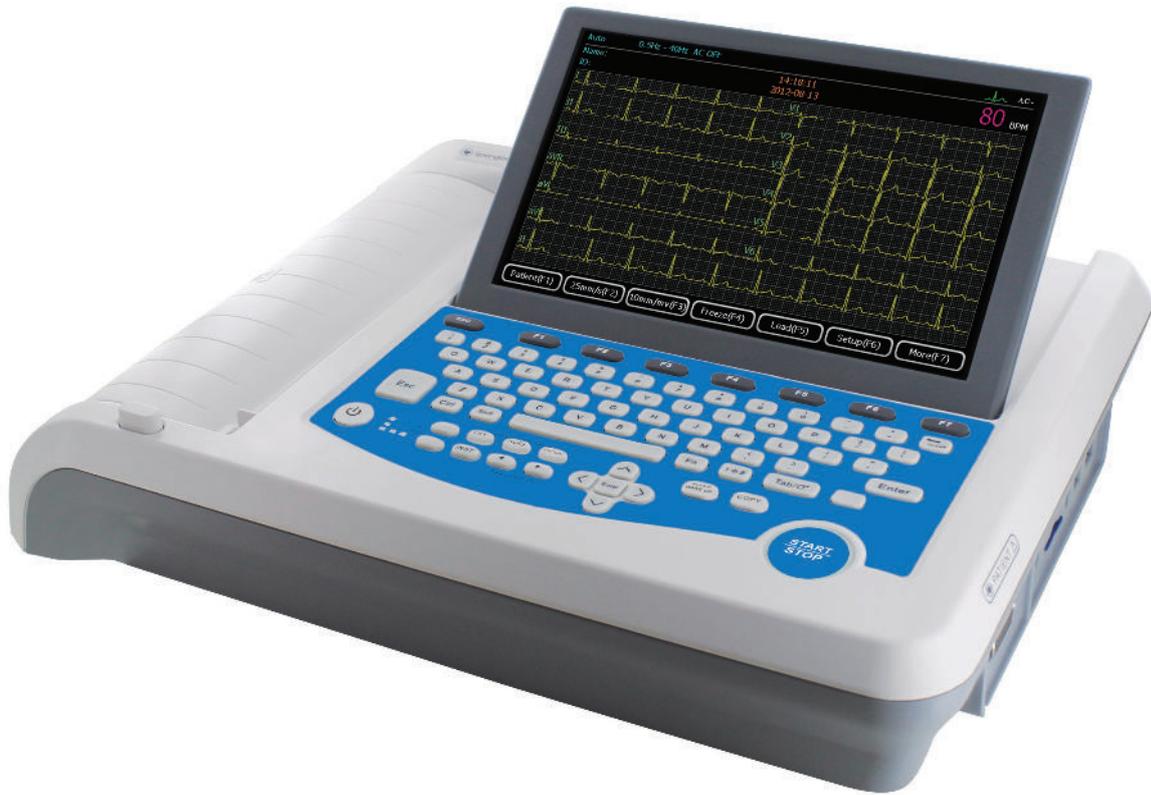
Spengler

FRENCH MANUFACTURER
SINCE 1907

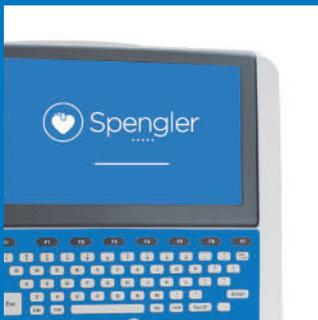
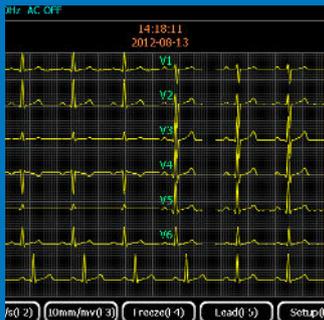
ECG



ELECTROCARDIOGRAPH CARDIOMATE 12®



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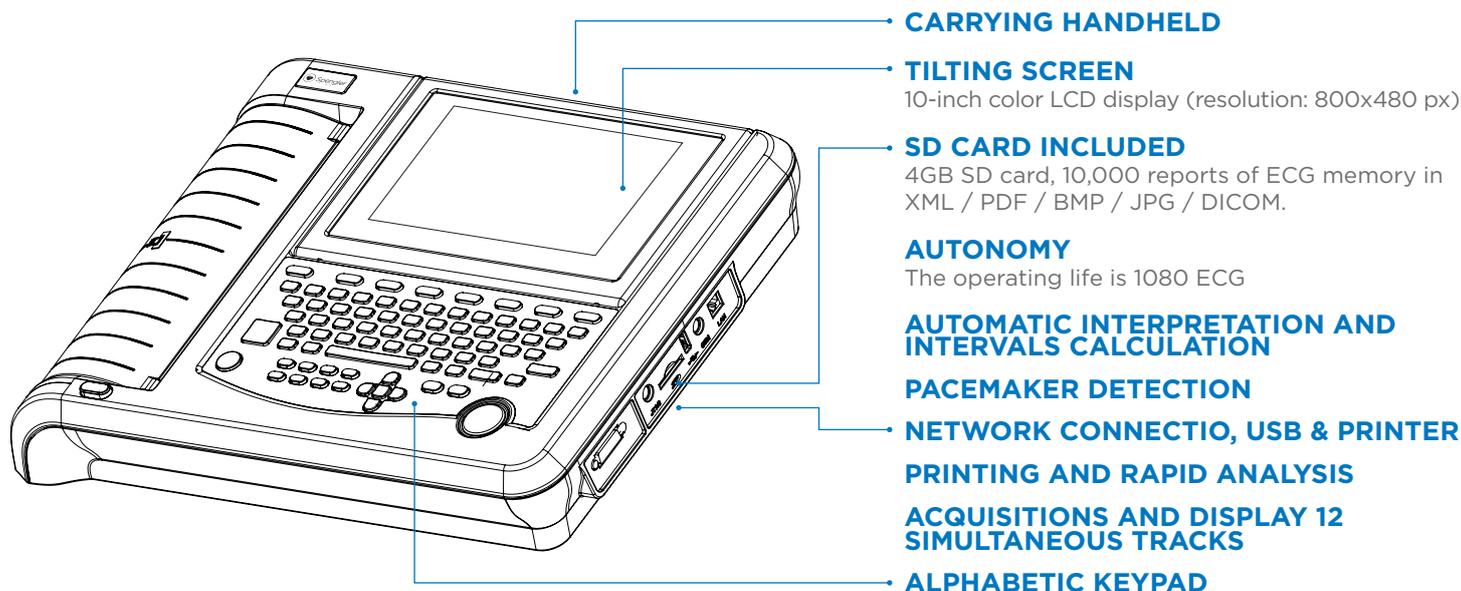


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Spengler S.A.S | ZI La Limoise | Rue Robert Maréchal | 36100 ISSOUDUN | FRANCE

Tel. : +33 (0)4 42 52 89 80

Mail : export@spengler.fr



CARRYING HANDHELD

TILTING SCREEN

10-inch color LCD display (resolution: 800x480 px)

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4GB SD card, 10,000 reports of ECG memory in XML / PDF / BMP / JPG / DICOM.

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Input circuit	Built-in defibrillator protection	Recording system	Thermal matrix printing
Acquisition mode	Simultaneous 12 leads acquisition	Recording paper	Roll: 210mm x 30m
Measurement range	± 5mVpp	Paper speed	5 mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50mm/s
Time constant	≥ 3.2s	Display	10 inch LCD - 800x480 pixels
Frequency response	0.05Hz-150Hz (-3dB)	Interface	Network interface, USB Master/slave and SD card
Sensitivity	2.5, 5, 10, 20 mm/mV	Norme de sécurité	IEC 1/CF
Input impedance	≥ 50MΩ	Sample rate	Normal: 1000sps/channel & 10 000Hz with pacemaker
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Product	Dimensions	435 x 335 x 98 mm (L x W x H)	
	Weight	4 kg (with battery)	
Included	1 patient cable, 4 end electrodes (pliers), 6 chest electrodes (suction cup), 1 power cable, 1 roll of thermal paper, 1 SD card 4GB and 1 user manual.		
SPENGLER WARRANTY	2 YEARS	In normal use	
LEGAL WARRANTY	LIFETIME	Against hidden and manufacturing defects	

Model	Reference
Cardiomate 12® - Electrocardiograph 12 channels	260 012

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Quality insurance

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