

# ELECTROCARDIOGRAPH

## CARDIOMATE 3 & 6

Precise and intuitive, the SPENGLER Cardiomate 3 and 6 EKGs are ideal companions in the office or on the go.

With a sampling rate of 32 000Hz, they record all electrical activity with high precision and deliver relevant analyses



HIGH PRECISION



INTUITIVE AND EFFECTIVE



ACCESSIBLE DATA



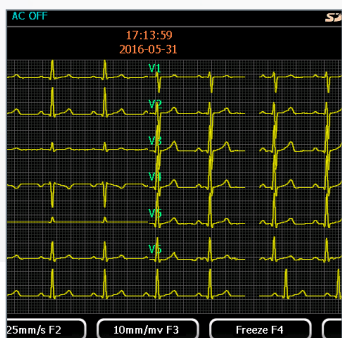
3 OR 6  
TRACK PRINTING



MOBILE



GREAT AUTONOMY



CE  
0123  
Classe IIa



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

[www.spengler.fr](http://www.spengler.fr)

# ELECTROCARDIOGRAPH

## CARDIOMATE 3 & 6



### HIGH PRECISION

- Sampling speed of 32 000Hz, electrical activity is recorded in great detail.
- Increased processing power for optimal analysis



### INTUITIVE AND EFFECTIVE

- Intuitive and fast use
- Real-time visualization in 12 leads of the ecg thanks to the large tiltable colour screen
- Automatic interpretation and calculation of intervals



### ACCESSIBLE DATA

- A large internal memory
- Transfer and read ECG to PC via USB connection
- Optional PC ECG software to control the device from a PC



### 3 OR 6 TRACK PRINTING

Print to PC printer via USB



### MOBILE

Equipped with a carrying handle



### GREAT AUTONOMY

With a 2600 mAh battery for record autonomy

## TECHNICAL SPECIFICATIONS

<b>Diversions</b>	12 standard derivations	<b>Noise Level</b>	≤10uV
<b>Input circuit</b>	Built-in protection against defibrillators	<b>Data export and connection</b>	Data exportable via SD card, via PC (USB or Ethernet cable), WIFI (optional)
<b>Sampling</b>	32000Hz	<b>Freezing time</b>	10-300s
<b>Frequency response</b>	0.01 Hz~350 Hz	<b>Internal memory</b>	1000 ECGs
<b>Common mode rejection rate (CMRR)</b>	≥110dB (AC filter off), ≥120dB(AC filter on)	<b>Recording mode</b>	Automatic, rhythm and manual 3X4, 3X4+1R, 3X4+3R, 6X2, 6X2+1R, 12x1, 1R
<b>Polarisation voltage</b>	≥±950 mV	<b>Format of reports</b>	PDF, JPEG, XML, FDA-XML, SCP, DICOM
<b>Sensitivity</b>	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	<b>Printing</b>	Thermal printer PC via USB
<b>A/D Converter</b>	24bit	<b>Screen</b>	LCD colors 7 inches
<b>Recording rate</b>	5 mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50mm/s	<b>Recording paper</b>	80mm x 20m 110mm x 20m
<b>Input impedance</b>	≥100MΩ	<b>Power</b>	AC : 100-240V, 50/60Hz DC : Integrated lithium battery
<b>Time constant</b>	≥5s	<b>Battery Life</b>	2600mAh > 6 hours continuously
<b>Filters</b>	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 / 150Hz		
<b>Case</b>	Dimensions 310 x 244 x 65 mm (L x l x h) Weight 2,4 kg (with batterie)		
<b>Includes</b>	1 patient cable, 4 extremity electrodes (clamps), 6 chest electrodes (suction cup), 1 power cable, 1 roll of thermal paper, and a user manual.		
<b>Options</b>	PC-ECG software, barcode scanner, Wifi antenna		
<b>SPENGLER GUARANTEE</b>	2 YEARS		

DESCRIPTION	REFERENCE
Cardiomate 3® - 3 channel Electrocardiograph	260 003
Cardiomate 6® - 6 channel Electrocardiograph	260 006

### Accessories

Patient ECG cable for Cardiomate®	260 020	Paper roll 80mm x 20m for ECG Cardiomate 3®	260 024
10 Snap-on ECG electrode adapters	260 023	Paper roll 110mm x 20m for ECG Cardiomate 6®	260 025

## SPENGLER QUALITY

### CE marking

Spengler's CARDIOMATE PC ECG are class IIa medical devices. They comply with the current European regulations and fully meet the general safety and performance requirements

### Technical Support Centre

Spengler SAS provides maintenance and repair of EKGs. Contact our technical support center at +33(0)4 42 90 31 31

### 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.



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