

Spengler Cardiology introduces the brand new born of its range *Cardiomate*, the new generation of ECG:

# Cardiomate EVI

THE ECG TABLET 100% AUTONOMOUS!

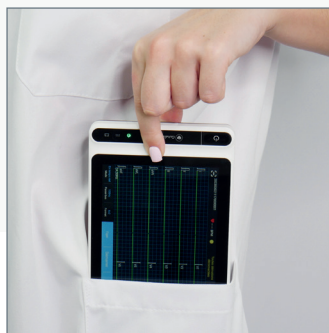
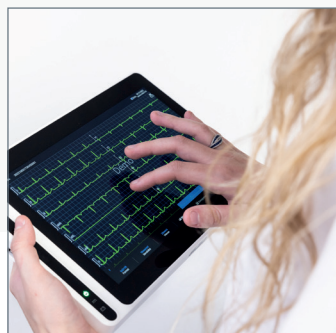


With its neat design and compact size, EVI is an intuitive and ultra convenient ECG.

Transportable to any department and to the bedside of any patient. Ideal for office use, as well as in the hospital, moving from one room to another, and also very suitable for emergency transport.

*Cardiomate EVI* has the same performance as the other ECGs of the range *Cardiomate* with a sampling frequency of 32000Hz which gives it a detailed recording of the electrical activity of the heart.

2 sizes of screen 7" and 10" allowing at the same time the tracing on 12 leads as well as the interpretation, and not necessarily requiring printing, for a more ecoresponsible approach.



CE  
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Class IIa



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# ECG TABLET

## Cardiomate EVI



### A TABLET 100% AUTONOMOUS

- 2 sizes : 7" or 10"
- 7" Tablet: ECG 12 leads.
- 10" Tablet: ECG 12 or 18 leads + rechargeable & recorder base.



### A FORMIDABLE ACCURACY

- One of the highest sampling rates on the market: 32000Hz.
- Automatic detection and marking of the pacemaker.
- 12-lead ECG or 18-lead ECG possible.



### INTUITIVE AND EFFICIENT

- High resolution 7" or 10" touch screen with keyboard for editing comments on the electrocardiogram.
- Real-time visualization of the 12 ECG leads on the tablet along with automatic interpretation and interval calculations (without using a computer or printer), for a more responsible approach.
- Digital touch signature.



### ACCESSIBLE DATA

- Internal memory of 10000 files allowing to store, recall, edit, print patient data.
- Data export via wifi or USB port in pdf or xml format.
- Integration with clinical database systems and hospital management systems.



### EASY TO PRINT

- Impression of the 12 leads:
- simply on your network printer via wifi for the 2 tablets.
  - or on the thermal printer of the base for the 10".



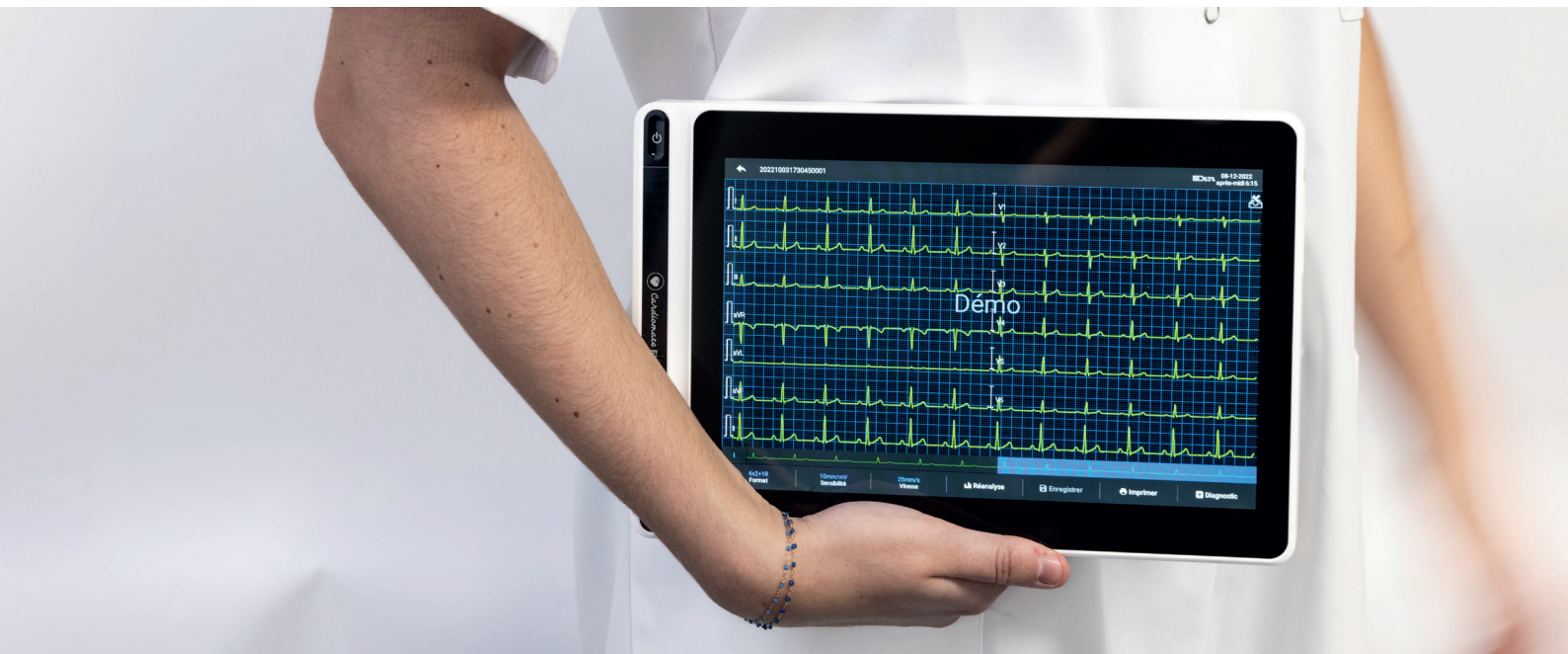
### STAND ALONE

- An ultra-compact design and transportability displayed with:
- protective shell for the 7",
  - desk support for the 10".



### A GREAT AUTONOMY

- Both tablets are equipped with a battery of 5000 mAh for an autonomy of at least 12 hours.



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## Cardiomate EVI

### TECHNICAL FEATURES

<b>Heart rate range</b>	30bpm~300bpm	<b>Input impedance</b>	≥100MΩ (10Hz)
<b>Accuracy</b>	±1	<b>Input circuit current</b>	≤10nA
<b>Lead</b>	Acquisition of 12-lead Cardiomate EVI 7" and 10" (12 leads)	<b>Calibration voltage</b>	1mV±2%
	Exists in acquisition of 18-lead Cardiomate EVI 10" (18 leads).		
<b>A/D conversion</b>	24 bits	<b>Depolarization voltage</b>	±900mV, ±5%
<b>Sampling rate</b>	32000 samples/Sec	<b>Noise</b>	≤12.5μV
<b>Common mode rejection ratio</b>	≥140dB (AC filter on) ≥120dB (AC filter off)	<b>Amplitude quantisation</b>	0.95μV/LSB
<b>Time constant</b>	≥5s	<b>Recovery time after defibrillation discharge</b>	<10s
<b>Frequency response</b>	0.01Hz~350HZ (+0.4db-3.0db)	<b>Pacer pulse display</b>	Pace beat with an amplitude of ±2mV~±700mV, duration of 0.1ms~2.0ms, A-5 rising time under100μs, and frequency of 100/min can be displayed on this ECG recording.
<b>Sensitivity</b>	Auto, 2.5 mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, less than ±5% error	<b>Minimum detectable signal</b>	20μVp-p
<b>Filter</b>	AC filter: 50Hz, 60Hz, Off	<b>10.1" Tablet</b>	Size: 272.6mm(L) x 181.2mm(W) x 25.8mm(H) Net weight: 1.2kg
	EMG filter: 25Hz, 35Hz, 45Hz, Off		
	ADS filter: 0.01Hz, 0.05Hz, 0.32Hz, 0.67Hz		
	Low pass filter: 75Hz, 100Hz, 150Hz, 300Hz, Off		
<b>Paper printing Speed</b>	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s et 50mm/s, less than ±3% error	<b>10.1" Tablet base</b>	Size: 274mm(L) x 288mm(W) x 111.2mm(H) Net weight: 2.5kg
<b>Analysis algorithm</b>	Glasgow algorithm	<b>7" Tablet</b>	Size: 197mm(L) x 112.4mm(W) x 26.1mm(H) Net weight: 0.8kg
<b>Included</b>	<b>7" Tablet:</b> 1 tablet + shell, 1 patient cable, 4 clamps (terminal electrode), 6 suction balls (chest electrode), 1 power cable, 1 USB key (USB-C USB-A), 1 user manual. <b>10" Tablet:</b> 1 tablet + printing base, 1 patient cable, 4 clamps (terminal electrode), 6 suction balls (chest electrode), 1 power cable, 1 roll of paper, 1 user manual.		
<b>SPENGLER WARRANTY</b>	3 YEARS		
<b>ADDITIONAL WARRANTY</b>	5 YEARS (in option)		

MODEL	REFERENCE
Cardiomate EVI 7"	260 050
Cardiomate EVI 10" with base	260 051

#### Accessories

Patient cable for CARDIOMATE EVI 7 & 10"	260 060
Adult limb clamp electrodes for ECG - set of 4	260 070
Pediatric limb clamp electrodes for ECG - set of 4	260 071
Adult suction chest electrode for ECG - set of 6	260 072
Pediatric suction chest electrode for ECG - set of 6	260 073
Roll of paper for CARDIOMATE EVI 10" (20m x 216mm)	260 061
Snap Button Adapters (x10) for CARDIOMATE EVI 7 & 10"	260 023

### SPENGLER quality

#### CE Marking

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

#### After sales service

Spengler SAS provides maintenance and repair of equipment. Go to the Spengler website in the Contact section.

#### Spengler Warranty

The Cardiomate EVI is guaranteed 3 years under normal conditions of use. The warranty does not cover wearing parts, shocks and maintenance defects made by the user.



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