

## Highlights

3 recording modes: auto-trigger (detection of tachycardia, bradycardia, atrial fibrillation and pauses), time based and manually triggered

Selectable pre- and post-storage durations

Operation up to 14 days with one battery

Snap-on standard gel electrodes – no need for ECG cables

Mobile ECG-transmission via PhysioGate® App

Ingress protection against dust and splashing water (IP 64)

# CardioMem® CM 100 XT

## External ECG-Loop Recorder incl. PhysioGate® App

The CardioMem® CM 100 XT is a mobile ECG loop recorder designed to acquire and record ECG stripes in three ways: upon manual activation by the patient, upon automatic detection of arrhythmic events (tachycardia, bradycardia, atrial fibrillation and pauses), or at predefined intervals via an integrated timer. The physician can configure the detection parameters for each patient individually. This versatility enables the physician to diagnose the patient effectively.

### Easy to use – versatile

Standard adhesive electrodes ensure maximum comfort for the patient without the burden of cumbersome lead wires. Application of the device can be easily performed directly by the patient by simply removing the electrode or patch protection foil and pressing the device onto the chest in close proximity to the heart. The auto-trigger algorithm for detecting tachycardia, bradycardia, atrial fibrillation and pauses as well as the interval timer for automatic signal acquisition at predetermined intervals make the CardioMem® CM 100 XT the optimal device for detecting and recording rare and asymptomatic cardiac arrhythmias. The ability to specifically select the types of events that should be detected and the appropriate pre- and post-times for these events further enhance the device's versatility.

### ECG quickly available via PhysioGate® App

The data are automatically transmitted to the physician's office or a clinic via the PhysioGate® App, thus ensuring that the ECG events are readily available while minimizing the length of time the patient needs to wear the device.

The CardioMem® CM 100 XT in connection with the PhysioGate® App aids in performing a fast diagnosis and early initiation of treatment, thereby contributing to increase the patient's quality of life. The robust design ensures that it can be used over and over again by a large number of patients.

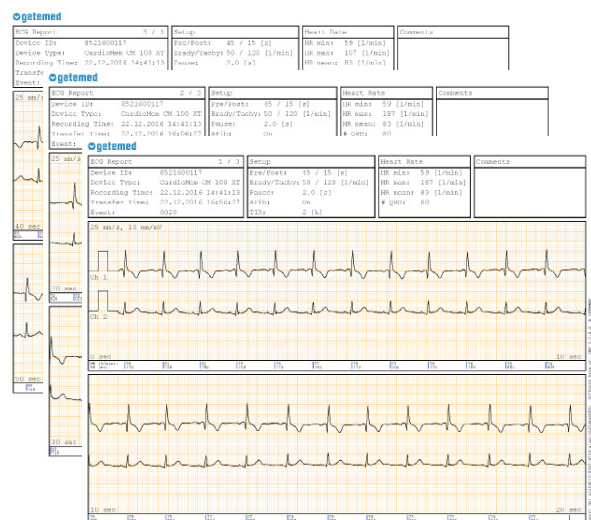


# CardioMem® CM 100 XT

## Technical Specifications

General	
Dimension	76 mm x 89 mm x 14 mm
Weight with battery	39 g
Battery type	Lithium cell, 3 V
Operation time	14 days
Operation	Event button
Connections	Snap receptacles for standard adhesive electrodes
Others	Port for custom USB cable
Parameters	
Leads	3 electrodes; 2 leads
Frequency range	0,05 ... 70 Hz
Open-Lead recognition	Yes
Time-triggered recording	1–24 h (interval 1 h)
Pauses	2–4 s (interval 0,5 s)
Atrial fibrillation	On / Off
Bradycardia	40–60 1/min
Tachycardia	100–220 1/min
Pre-time (selectable)	25 / 45 / 60 s
Post-time (selectable)	15 / 30 / 60 s
Storage	
Memory type	NAND Flash
Sampling rate	512 Hz / 24 Bit
Digitale signal processing	256 Hz / 12 Bit
Memory capacity	200 events
Data transmission	
Transmission method	PhysioGate® App
Classification	
Product classification	Ila according to MDD 93 / 42 / EEC
Classification of the applied part	Type BF (Body Floating)
Ingress protection	IP 64 according to EN 60529
GMDN-Code	36367

Operation conditions	
Temperature	5 ... 45 °C
Relative humidity	0 ... 93 %, not condensing
Storage and transport conditions	
Temperature	-20 ... 60 °C
Relative humidity	0 ... 93 %, not condensing
Radio Power	
Radio technology	Bluetooth Low Energy
Frequency	2 402 MHz ... 2 480 MHz (2,4 GHz ISM Band)
Modulation	Gaussian frequency shift keying (GFSK)
Radiation	0 dBm = 1 mW



Subject to change

Manufacturer



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