

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

Download via USB 2.0

Ingress protection against dust and splashing water (IP 64)

CardioMem[®] CM 100 XT

External ECG-Loop Recorder

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 recorded episodes can be downloaded to a PC for evaluation.

The physician can configure the detection parameters for each patient individually. This versatility enables the physician to diagnose the patient effectively.

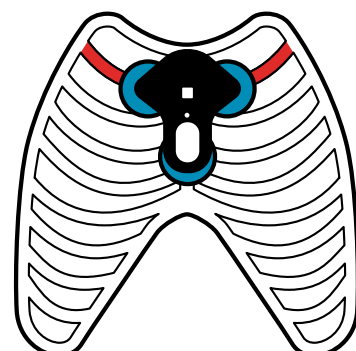
Easy to use – versatile

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 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.

Communication between the device and evaluation PC takes place using a USB cable. The CM 100 Configurator software application is used to configure the recorder and to download the stored ECG data. This application is easy to install on each PC. The ECGs are archived as PDF files.

The CardioMem[®] CM 100 XT aids in performing a faster 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 by a large number of patients.

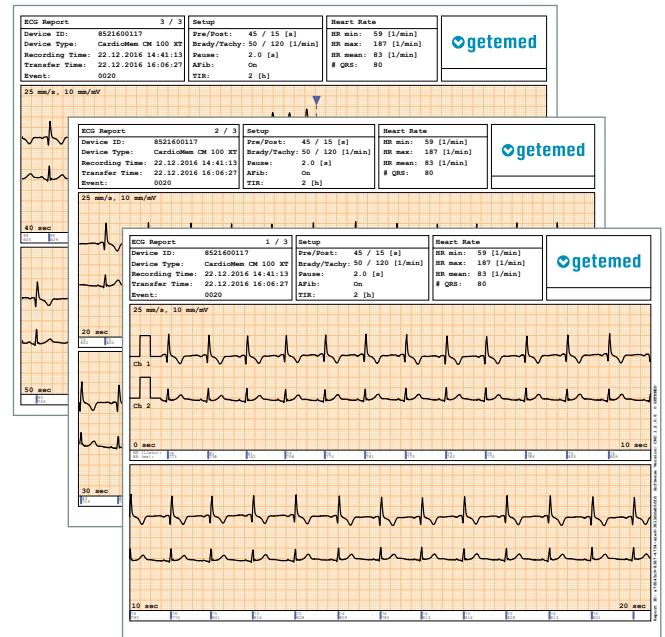


CardioMem® CM 100 XT

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 special 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	USB 2.0
Classification	
Product classification	Ila according to 93 / 42 / EEC
Classification of the applied part	Type BF (Body Floating)
Ingress protection	IP 64 according to EN 60529
UMDNS-Code	12601

Operation conditions	
Temperature	5 ... 45° C
Relative humidity	10 ... 93 %, not condensing
Storage and transport conditions	
Temperature	-20 ... +60° C
Relative humidity	5 ... 93 %, not condensing



Subject to technical modifications

Manufacturer



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