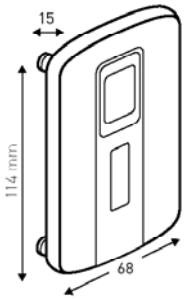
getemed



Features

- 1-button technology for easy operation
- Integrated GSM module for mobile ECG transmission
- 2-lead ECG via 4 electrodes on the back of the unit
- Inductive charging of integrated battery
- Protection against dust and fluid ingress

PhysioMem® PM 100

The New Generation of Tele-ECG

The detection of cardiac arrhythmias is a challenge to doctors and patients alike. Infrequent and irregular episodes are especially hard to diagnose. To overcome this challenge, Tele-ECG's are being used more and more in everyday situations.

Years of experience and state of the art technology
Numerous national and international clinical studies, especially on atrial fibrillation, have been performed using Tele-ECG devices, not least for their high diagnostic yield. The devices enable the patient to independently record short ECG stripes, irrespective of time and place, and automatically send them to their attending physician. A possible arrhythmia can be detected in a timely manner and the patient promptly provided with a suitable treatment.

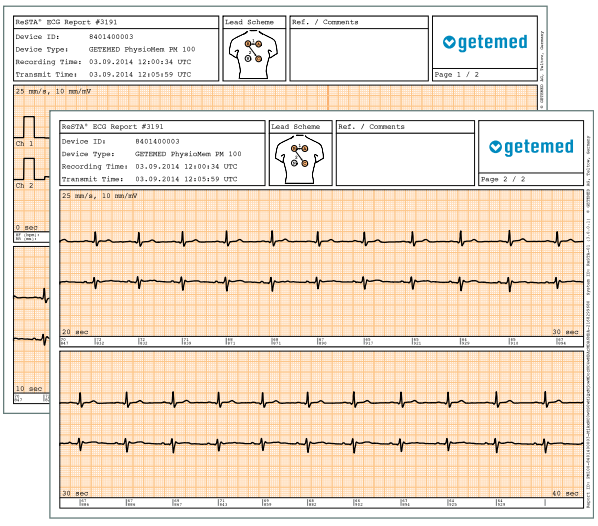
PhysioMem® PM 100, the new generation of Tele ECG equipment, unites modern design, high quality and reliability with ease of use, flexibility and mobility. The device is the result of more than 15 years of experience in the development of Tele ECG equipment and perfectly addresses the numerous challenges faced when trying to diagnose cardiac arrhythmias. The server-based ReSTA® system (Remote System for Telemedical Applications) operates around the clock and receives the ECG data sent by the patient. The data are automatically analyzed and the resulting report is redirected to the attending physician. PhysioMem's integrated GSM module allows ECG data to be transmitted across the globe.

Mobility and easy operation
Using the PhysioMem® PM 100, a patient suffering from intermittent cardiac arrhythmias can record a 2-lead, 40 second ECG anytime and anywhere. Either at regular intervals or if the patient experiences cardiac related symptoms, he or she simply presses the four electrodes attached to the back of the device firmly onto the chest and presses the start button. Once the recording has finished, it is automatically transferred via ReSTA® to the attending physician for evaluation. To recharge the internal battery simply place the unit on the charger pad provided.

PhysioMem® PM 100

Technical Data

General	
Dimensions	114 mm x 68 mm x 15 mm
Weight	107 g
Battery type	Lithium polymer rechargeable
Operating time	5 days with 3 data transmissions/ day
Charging method	Inductive coupling with charging device
Operating mode	40 second ECG recording followed by data transmission
User interfaces	Start button, LCD display showing GSM signal strength, number of stored recordings and battery status, acoustic buzzer
Material	ABS plastic casing, stainless steel electrodes
ECG and heart rate	
ECG leads	2 channels, 4 electrodes
Digital resolution	256 Hz / 12 Bit
Analog resolution	3 µV
Lower frequency threshold	0.5 Hz
Upper frequency threshold	40 Hz
Input voltage range	± 6 mV
Offset voltage range	± 300 mV
Open lead detection	Yes



Data transfer	
Transmission technology	GSM quad band module
RF frequency range	850 / 900 / 1800 / 1900 MHz
Storage	
Number of recordings	Up to 200 recordings if no GSM connection available
Classification	
Product class	IIa according to MDD 93/42/EEC
Applied part classification	CF type (cardiac floating)
Ingress protection	IP 64
Operation conditions	
Temperature	5 ... 45 °C
Relative humidity	10 ... 95 %, non-condensing
Storage and transport conditions	
Temperature	–20 ... 60 °C
Relative humidity	5 ... 95 %, non-condensing

Charging device	
Dimensions	145 mm x 84 mm x 9 mm
Weight	50 g
Ingress protection	IP 21
Power supply	Switched-mode power supply, input voltage 100–240 VAC, 50/60 Hz, output voltage 5 VDC

Scope of delivery

PhysioMem® PM 100, charging device, power supply, neck lanyard, operating manual, storage case

Subject to change

Manufactured by

getemed

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