



**BETTER CARE
IMPROVING HEALTH**



cardXplore

ambulatory ECG and BP monitor
with activity logging

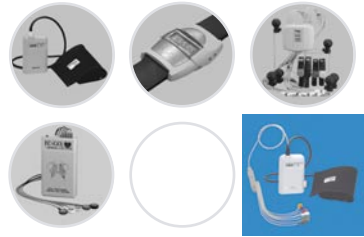
today's powerful
ambulatory
cardiovascular
diagnostic device



- 24-hour (full disclosure) 3-channel ECG recording
- 24-hour ambulatory blood pressure monitoring
- 24-hour 2-axis activity recording
- no-compression storage on multimedia card
- continuous real-time beat-to-beat ECG analysis
- automatic event detection with extra BP recordings during ST abnormalities, heart rate variations or syncopal episodes exceeding programmable pre-set levels
- flexible programming with real-time ECG monitoring for better electrode placement

card(X)plore

ambulatory ECG and BP monitor
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card(X)plore is an extremely powerful ambulatory cardiovascular diagnostic device. It records and stores state-of-the-art 3-channel full disclosure ECG data, and performs full ambulatory blood pressure monitoring simultaneously. As an option, it can also record activity and body position signals using a two-axis acceleration sensor. The recorder operates silently and reliably with 4 AA rechargeable batteries. It uses a stamp-sized standard multimedia card (MMC) for no-compression storage to ensure perfect signal quality, and avoid data loss due to compression typical of earlier digital ECG recorders. **card(X)plore** is easily initialized by either inserting a pre-configured memory card, or by connecting it to a PC using an optical cable link. This option also enables on-line, real-time ECG monitoring to achieve the best electrode placement. The unit performs continuous real-time beat-to-beat ECG analysis as well. Automatic event detection with adjustable preset limits ensures that corresponding blood pressure values are recorded during (silent) ischaemic events, high or low heart rates, and syncopal episodes. Patients can also mark additional, symptomatic events. Optional activity and body position monitoring provides additional data to help fine-tune the analysis. Data recorded with **card(X)plore** are transferred to a personal computer and processed by CardioVisions, which is a powerful integrated database, display, analysis and report generation software package.

Technical parameters

power supply	4 AA alkaline or rechargeable batteries
BP measurement	oscillometric method, stepwise deflation, piezo-resistive sensor
BP measurement range	blood pressure 30-260 mmHg, pulse rate 40-200 bpm
motion logging	2-axis, +/- 2 g, 10 Hz sampling, sensitivity better than 0.01 g
ECG parameters	
channels	3 independent bipolar channels
sampling, A/D res.	600 Hz, 12 bit
frequency range	0.05-125 Hz (-3 dB)
storage frequency	300 Hz or 150 Hz
storage capacity	27 hours ECG @ 300 Hz and activity data @ 10 Hz plus 600 BP measurements on a 128 MB memory card (MMC)
dimensions	124 x 82 x 33.5 mm
weight	~ 330 g (incl. batteries)



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