

apneABP
card(X)plore
ABPM-04



Ambulatory Blood Pressure Monitors & Combinations

Meditech

Cardiovascular Monitoring Solutions

Meditech is one of the worldwide technology leaders in the area of manufacturing ambulatory blood pressure monitors and ECG devices.

Established in 1990 by Hungarian private entrepreneurs, Meditech develops medical devices and software solutions for monitoring risk factors for cardiovascular diseases.



apneABP ABPM, SpO₂ & Actigraphy Combo

Obstructive sleep apnea syndrome (OSAS), a sleep-related breathing disorder, is an independent risk factor for hypertension. Early recognition and treatment improves cardiovascular functions. Meditech apneABP is suitable for screening OSAS and hypertension in primary care.

Consequences of Undiagnosed Sleep Apnea



10-32x

increase in
cardiovascular
mortality



15-20x

increase in
sleep-related
traffic
accidents



7-10x

increase in
cerebrovascular
mortality

OSAS symptoms

- extreme snoring
- drowning nightmares
- daytime sleepiness
- morning headaches
- resistant hypertension
- stroke
- rhythm disturbances

apneABP benefits

- complex ABPM profile
- complex pulse oximetry profile
- complex actigraphy & body position profile
- pulse waveforms & pulse transition times
- free, all-inclusive software

ABPM-04 **Ambulatory BP Monitor**

ABPM-04 provides accurate information on blood pressure variability, overnight dipping and morning surge for reliable hypertension control.

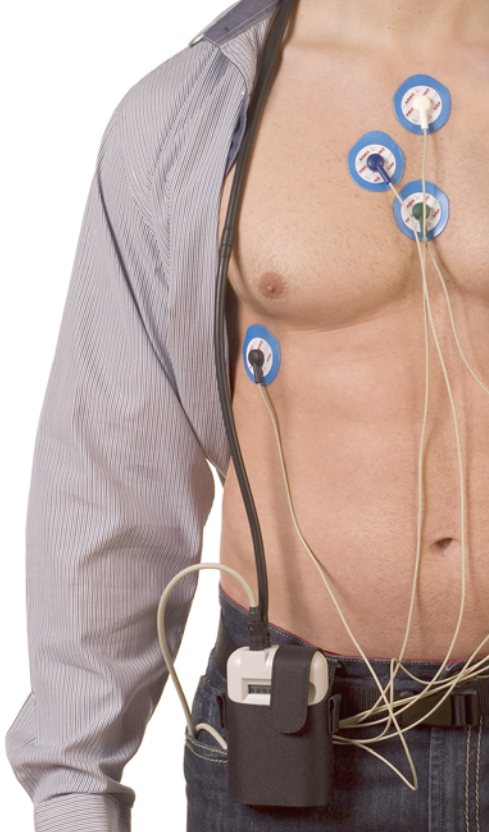


ABPM-04 benefits

- meets BHS and AAMI accuracy criteria, recommended by dabl®
- proprietary Meditech dual-valve system for excellent patient safety
- sleep-friendly algorithm
- free, all-inclusive software

Why ABPM is needed?

- for a more accurate BP profile
- to avoid the effects of white coat hypertension
- to record nighttime BP, a major health risk indicator
- to lower the chance of misdiagnosis
- for better drug treatment



card(X)plore ABPM, Holter ECG & Actigraphy Combo

As hypertension is the most common risk factor for cardiovascular diseases, it is important to assess blood pressure and ECG data at the same time.

card(X)plore benefits

- complex ABPM profile
- complex Holter ECG profile
- complex actigraphy & body position profile
- quick identification of exceeded limit values with extra BP recordings
- free, all-inclusive software

Specifications	ABPM-04	card(X)plore	apneABP
dimensions	124*82*33,5 mm		
weight (excl. batteries)	250g		
memory	internal	external (a card reader unit is needed for retrieving data)	
data transfer	USB optical cable		
power supply	4 AA batteries		
LCD display	20*8 mm		
numbers of keys	2 (start, event)		
operation	up to 51 hrs		up to 27 hrs
ABPM analysis	measurement method: oscillometric; measurement range: 30-260 mmHg, pulse: 40-200 bpm; passive accuracy: +/- 3 mmHg or 2% of the measured value		
Holter ECG analysis	—	3 channels (7 leads); sampling: 600 Hz; A/D resolution: 12 bit; storage: 300 Hz	—
apnea analysis	—	—	SpO ₂ sampling, measurement range & accuracy: 4 beat average, 0-100%, +/- 3% (70-100% SpO ₂); plethysmograph sampling & measurement range: 75 Hz with automatic sensitivity setting
actigraphy	—	2-axis; sampling: 10 Hz; sensitivity: 0,01g	
conformity certificate	CE		
validations	algorithm validated to BHS & AAMI protocols		

CardioVisions Software Program

For Quick & Accurate Analysis

Specifications	ABPM-04	card(X)plore	apneABP
ABPM analysis	4 adjustable sampling periods, SYS & DIA BP, MAP, pulse rate, min-max values, PP, SD, PTE, hypertension load, diurnal index, morning surge, statistics, histograms, correlations		
Holter ECG analysis	—	beat-by-beat ECG annotation, arrhythmia, QT, PQ, ST & PM analysis, event distribution, time & frequency domain HRV	—
apnea analysis	—		full SpO ₂ profile with beat-to-beat finger photoplethysmographic waveforms, brachial & finger pulse waveforms, brachial pulse transition times
actigraphy	—		✓
graphical & tabular display of data		✓	
customizable screens		✓	
customizable & printable report		✓	
personal & network use		✓	



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