

# medilog<sup>TM</sup>AR12

DIGITAL ECG RECORDER

## Take a closer look

Combining innovative analysis and technological advances, the MedilogAR12 defines a new standard in ambulatory ECG recording. The very highest recording quality, groundbreaking detection techniques and handy Palm<sup>TM</sup> handheld controls – it's time to take a closer look.

### Real time P and T wave detection

The MedilogAR12 detects both coupled and uncoupled P waves. The detailed ECG can then be viewed using the Medilog SimpleView software to reveal atrial arrhythmias. Numerical ECG data is easily exported for further analysis.

### High resolution HRV analysis

Digitising at a much higher sampling rate and resolution enables pinpoint accuracy for R-wave peak detection and increased accuracy for RR-interval analysis. Recorders using lower sampling rates and resolution will often miss the R-wave peak and thus produce inaccurate RR-interval measurements.

### Derived 12-lead ECG

A derived 12-lead ECG can be displayed from only 5 electrodes using clinically established derivation algorithms. Derived 12-lead views can assist in diagnostic interpretation without extra cables and electrodes.

### Integrated respiratory monitoring

Respiration-induced changes in R and S wave amplitudes are used to track the respiratory rate. This extra clinical information is obtained without reducing patient compliance.

### High resolution pacemaker detection

A highly detailed view of pacemaker activity recorded by the MedilogAR12 can be seen easily with Medilog SimpleView software.



# Specification

Dimensions		Unit
Width	70	mm
Height	96	mm
Depth	22	mm
Weight (without batteries)	100	g

Compact Flash card specifications	Minimum	Typical	Maximum	Unit
Operating voltage		3.3		V
Current consumption			120	mA

ECG		Unit
Number of electrodes	5	-
Number of channels	3 (12 derived)	-
Sampling rate – Channel 1	max. 4096	Hz
Sampling rate – Channels 2 and 3	max. 512	Hz
Storage rate – Channel 1	max. 2048 (programmable)	Hz
Storage rate – Channels 2 and 3	max. 512 (programmable)	Hz
Resolution	16 (programmable)	Bits

Electronic		Unit
Supply voltage	2 x 1.5V AA batteries	
Operating duration	74	hours

Storage	Minimum	Maximum	Unit
Ambient temperature	-5	65	°C
Humidity (non-condensing)	0	95	%RH

Operation	Minimum	Maximum	Unit
Ambient temperature	0	60	°C
Humidity (non-condensing)	10	95	%RH



This product complies with the EN 60601-1 safety standard. The CE mark indicates that it meets the essential requirements of European Council Directive 93/42/EEC of 14 June 1993 concerning medical devices. Huntleigh Healthcare operates a quality system certified to ISO 9001:2000, ISO 13485:2003, and the TickIT Guide Issue 5. Medilog is a registered trademark of Huntleigh Healthcare. Palm™ is a registered trademark of Palm Inc. Microsoft and Windows are registered trademarks of Microsoft Corporation. For the USA the following applies: CAUTION: Federal law restricts this device to sale by or on the order of a physician.

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