



SCHILLER
The Art of Diagnostics



- Arrhythmias**
- Pause
 - VT
 - NSVT
 - IVR
 - Salvo
 - Trigeminy
 - Triplet
 - SVES
 - VES
 - Tachycardia
 - Bradycardia



medilog[®] HOLTER SYSTEM

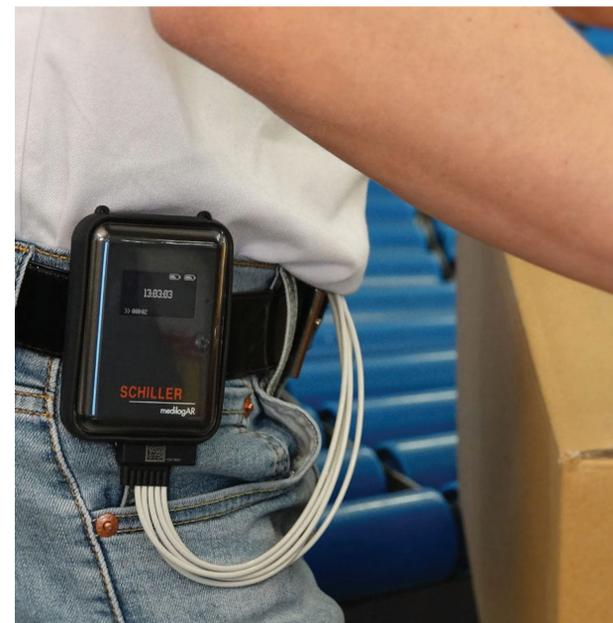
Efficient, reliable and state-of-the-art Holter

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medilog® AR

- Holter system ideal for routine Holter monitoring needs of primary care physician, as well as the specialized requirements of cardiology practices
- Easy to clean, robust, shock and splash resistant
- Flexible dual-battery concept for up to 14 days recording with just one AAA Battery
- Highest Sampling Rate (32,000 Hz) for the best ECG trace
- 3D motion detection to suppress artifacts
- Easy to Patient Set up (Adults and Pediatric)



IDEALLY SUITED FOR CLINICAL ROUTINE

The shock and splash-proof design makes the medilog® AR recorder Holter highly suitable for the daily clinical routine. **medilog® AR** is so flat that it can easily be carried in a pocket. With the carrying case, it can be worn on a belt or with a neck lanyard directly on the body. The Holter and its carrying case are robust and easy to clean.



ONE RECORDER FOR 24/72H, 7 DAYS or UP TO TWO WEEKS

Thanks to the dual-battery concept, the patients can be screened for up to 14 days without having to see the professional to change the batteries. By adjusting the signal resolution, the internal battery can run for 24/72 hours or more than 7 days. The high-quality internal battery is recharged via USB.

AAA SINGLE USE BATTERY: For fastest turnaround times in high throughput clinics, use easily available standard AAA batteries.



DESIGNED TO SUPPRESS ARTIFACTS

The medilog® AR Holter recorder features a superior resting ECG grade 32,000Hz sampling rate on 3 channels. This is used for sophisticated artifact suppression and motion detection, enabling a speedy evaluation.

BEST SIGNAL QUALITY: Direct signal quality evaluation to avoid missed channels due to bad connection signal; 3 channel ECG preview.



medilog® AR

Holter Analysis Program



medilog® DARWIN2

medilog® DARWIN2 is a Holter analysis program for the storage, beat and rhythm classification and diagnosis of long-term EKG recordings.

With sophisticated and accurate EKG analysis it meets the highest demands for patient care. On-screen measurements, editing of global measurement points and interpretations.

Intuitive workflow and 3 mouse clicks to get a report. DARWIN2 is designed to maximize speed and ease of use.



QUICK DATA TRANSFER

The DARWIN2 offers fast and easy data transfer. The automatic analysis of a 24-hour Holter recording takes less than 90 seconds, with extremely accurate results to help expedite patient diagnosis.



EASY TO USE

DARWIN2 has been designed to facilitate the analysis of the information collected from the patient in order to classify and group the most important types of heartbeats and arrhythmia events for review. The DARWIN2 allows clinicians to delete classified artifacts with one click. As a result, the automatic analysis is greatly improved and saves time in the final report generation.



CLINICAL SUPERIORITY

The medilog® ADAPT™ algorithm has a 99.9% accuracy in beat detection.

All recorded channels are analyzed and excessively noisy episodes are automatically excluded.



FLEXIBLE REPORTING

DARWIN2 data review is faster than ever: it takes only three mouse clicks to generate a comprehensive report.

It offers fully configurable reporting and analysis functions according to clinician requirements:

- Standardized narrative report.
- Configuring different report templates
- PDF report generation with the practice information and logo



INTUITIVE WORKFLOW ANALYSIS

DARWIN2 Office deliver a streamlined end-to-end workflow with an intuitive menus for fast and accurate analysis that helps save time and reduce errors.

- Noise Directory
 - Template Editing
 - Rhythm Editing
 - QT/ST Analysis
 - Pacemaker Analysis
 - HRV time domain
 - Movement Analysis
- ... and more, with flexible reporting tools.

medilog® AR



Technical Data



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DEVICE

Dimensions:	3.25 x 2.36 x 0.71 inches
Weight:	Approx. 4.4 oz without AAA battery
Protection against ingress of water:	IP22
Weight:	2 Buttons for operation and patient event marking



ELECTRICAL DATA

Power:	1 x AAA 1.5 V single use or 1.2 V NiMH rechargeable battery 1 x Li-Ion 3.7 V 1000 mAh (internal battery)
Charging current:	Max. 450 mA
Charging voltage:	5 V
Charging time:	0 to 80 % : approx. 2 h
Battery capacity:	>14 days (1)



INTERFACE MICRO USB

Protocol:	Mass storage device
Transfer speed:	Approx. 150 seconds for a 24 h recording



DISPLAY

OLED Monochrome white	
Resolution:	128 x 64 px
Dimension:	1.2 x 0.6 inches
Signal check:	True signal quality check with amplitude indication



STORAGE MICRO SD CARD (SDHC)

Capacity:	Up to 32 GB
Typical recording size:	75 MB/24 hours



RECORDING DURATION

Recording duration without AAA battery:

- 24 h mode > 48 h
- 72 h mode > 80 h
- Infinity mode > 7 days

Recording duration with AAA battery:

- 24 h mode > 72 h
- 72 h mode > 100 h
- Infinity mode > 14 days



VOICE RECORDING

Patient Data:	1 x 30 s
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ACCELEROMETER

Axis:	1 x 30 s
Range:	±2 g
Recording frequency:	Approx. 25 Hz

(1) Power consumption and operation duration were measured with a Cactus Industrial Grade 2GB microSD Card (K2GRT803M) power consumption varies depending on the SD card, selected settings and the battery type used.

Technical Data



EKG

EKG amplifier	
Resolution:	15.5 bit
Sampling rate:	8000 to 32000 Hz
Oversampling:	Max. 128x
Recording rate:	250 Hz
Lower filter frequency:	0.05 Hz
Analogue bandwidth:	>1.0 kHz
Dynamic bandwidth:	12 - 14 mV, typically 13 mV
Resolution real time analysis pacemaker:	62,5 μ s

PATIENT CABLE

Leads:	5 or 7, user changeable
Length:	33.5 inches
Automatic cable type detection	

SOFTWARE

medilog®DARWIN2 Office

ENVIROMENTAL CONDITION

Temperature:	5 to 45 °C
Humidity:	10 to 95 % non-condensing
Pressure:	700 to 1060 hPa
Transport and storage	
Temperature:	-25 to 70 °C
Humidity:	10 to 90 % non-condensing
Pressure:	700 to 1060 hPa

CLASSIFICATION

Safety and performance standard:	Conforms with IEC/EN 60601- 1-11 and IEC/EN 60601-2-47
Protection class according 60601-1:	II
Applied Part according 60601-1:	BF
Classification according Directive 93/42/EEC:	Ila
Electromagnetic radiation:	CISPR 11, Class B
Notified body:	CE 0123



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A M E R I C A S

Call us: **1-888-845-8455**

Visit us at **schillerus.com**

10903 NW 33rd St,
Doral, FL 33172, USA