



evo

Evolution in Digital Holter Recording

CARDIAC DIAGNOSTIC SOLUTIONS

actual size

State-of-the-Art Digital Holter

Decades of Innovation

Del Mar Reynolds' rich history of innovation began nearly a half century ago with the development of Holter monitoring and analysis. Now the Diagnostic Cardiology part of Spacelabs Healthcare, we are proud to continue this tradition of connecting innovation with care. Today we bring you **evo**, an evolution in Digital Holter Monitoring.

The **evo** Digital Holter recorder combines the latest technology with patient comfort and ease of use.

- Small, and lightweight, (3 5/8" x 1 3/4" x 5/8" and 2 1/2 oz) **evo** is easy to wear and conceal under clothing, for patient comfort as well as privacy and compliance
- Feature-enriched recorder is housed in a compact sealed case to better withstand normal wear and tear
- Dynamic Energy Source™ eliminates the need for disposable batteries and offers lower cost of ownership with reduced maintenance
- Workflow-smart **evo** fully charges during data download so the recorder is never 'out-of-cycle' for the next patient
- No moving parts to maintain
- Individual lead wires for easy and less costly lead replacement, lowering cost of operation
- On board screen for signal quality check and information
- Fixed memory eliminates potential replacement cost of damaged or lost memory cards
- Over 48 hours of recording time (24/48 hours selectable) with pacemaker detection capability
- Convenient recording download via USB docking station



A New Evolution in Holter Monitoring

Simplicity at your fingertips

The menu system puts you in control, with common settings stored as standard. The high resolution ECG preview feature gives you even more confidence that the highest quality ECG will be recorded.



Pacing detection comes as standard and all recordings can be analyzed with selected Holter packages.

Work the way you want to

Procedures vary but no matter how you manage your diagnostic operations **evo**, and **Sentinel**, our Cardiology Information Management system, make your workflow work for you.

- Enter patient details, notes and medications
- Hook-up and instruct the patient on making diary events
- Start recording and send the patient home
- Upon return, download ECG for analysis and physician review



40 years of experience at your fingertips

Practical Digital Holter

With its evolutionary Dynamic Energy Source™ technology **evo** enhances clinician workflow while minimizing operating costs.

Upon patient return, **evo's** recorded ECG data are downloaded via the **evo** docking station. At the same time, the built-in energy source recharges the amount of energy consumed during data collection. The **evo** is now ready to be used on a new patient and is never 'out-of-cycle'.

- Removable leads for easy cleaning
- Sealed recorder means no memory card to configure/install
- Reliability, ease of use, and low cost of ownership make **evo** ideal for busy cardiology departments as well as physician's offices

EVO Recorder Technical Specifications

ECG Inputs

Channels	3, type BF applied part patient isolation
Cable types	3 channel 4 electrodes, with detachable leadwires
Input impedance	> 10 Mohms
Dynamic range	10 mV
Resolution	2.5 μ V
Bandwidth	0.05 - 40 Hz (-3 db)
Sampling rate	2048 samples per second per channel

Data Storage

Media type	128 Mbyte non-volatile internal memory
Data types	full disclosure ECG, with pacing and patient event markers, recording time and date, patient ID

Pacemaker Pulse Detection

Sensitivity	2 mV nominal, in all channels
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Physical and Environmental Characteristics

Dimensions	92 x 45 x 15mm (3.62 x 1.77 x 0.59in)
Weight	recorder body 72g (2.5oz) including Dynamic Energy Source™
User labelling	area provided is 35.5 x 15mm (1.40 x 0.59in)
Temperature	0 to 45°C (32 to 113°F) operation, -20 to 65°C (-4 to 149°F) storage
Humidity	operation or storage 5% to 95%, non-condensing
Pressure	operation or storage air pressure 700-1060mbar (525.2-795.3mmHg)
Shock	2m (6.56ft) drop

User Interface

Type	text menus and keys for up, down, left and right
Languages	US English, French, German, Italian, Spanish
Clock	clock and calendar (to 2099), 13mm digit height for patient use
Ancillary features	shows Dynamic Energy Source™ status before the recording starts
Hook-up display	real time display of each channel, with 62.5 μ V/26ms resolution and pacing annotation
Docking Station	USB2.0 compatible

Advanced design meets clinical needs

The evo Digital Holter Recorder has been inspired by cardiologists to fit your needs for arrhythmia diagnosis.

The intuitive screens, hook-up display and configurability make this recorder easy to use while delivering the highest quality ECG.

To learn more about evo, our Holter analysis solutions, or our full range of Diagnostic Cardiology products, please contact your sales representative or our offices listed below.



New Dynamic Energy Source™ technology eliminates the need for disposable batteries



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Spacelabs Healthcare, Inc.
5150 220th Ave. SE, Issaquah, WA 98029
PO Box 7018, Issaquah, WA 98027-7018
t 425 657 7200 f 425 657 7212
www.spacelabshealthcare.com

Spacelabs Healthcare Ltd
1 Harforde Court, John Tate Road
Hertford, SG13 7NW United Kingdom
t +44 1992 507700 f +44 1992 501213

Rx only

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