



LUMED®

www.lumed.com

# LUMED® EUROholter

*accurate and precise Holter monitoring*

# Overview

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LUMED<sup>®</sup> EUROholter is a new high-end Holter system, designed to provide the essential tools for quick and safe routine recordings and analysis. Many advanced features come along with LUMED<sup>®</sup> EUROholter, thought to improve the user experience.

# Overview

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The product line includes both devices and software:

- EUROholter 3view: 3-channel recorder
- EUROholter 12view: 12-channel recorder
- EUROholter SW3/12 Professional: Holter software
- EUROholter SW3/12 Clinical: Holter software

# Concept

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LUMED<sup>®</sup> EUROholter 3view and 12view digital recorders: a new concept to Holter monitoring.

- ✓ 3 or 12-channel, 5 or 10-lds patient cable
- ✓ graphic display
- ✓ SD card
- ✓ just on AAA battery

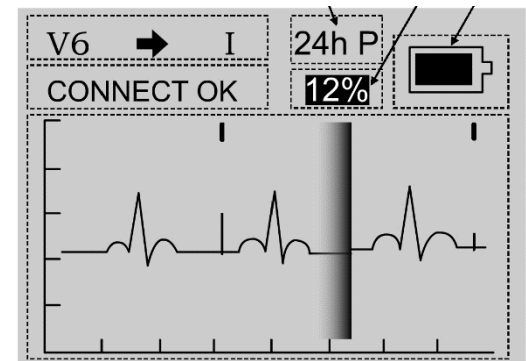
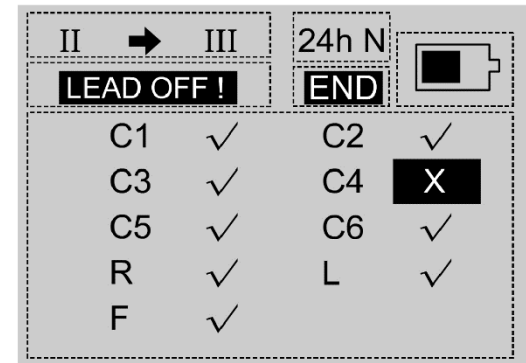
# EUROholter 12view

- ✓ 12-channel, 10-lds patient cable
- ✓ graphic display
- ✓ SD card
- ✓ just on AAA battery
- ✓ 24 or 48 hours recording
- ✓ USB & SDcard mode



# EUROholter 1 2view

- ✓ Individual lead check
- ✓ battery status
- ✓ SD card status
- ✓ recording duration
- ✓ pacemaker detection  
yes/no



# EUROholter 3view

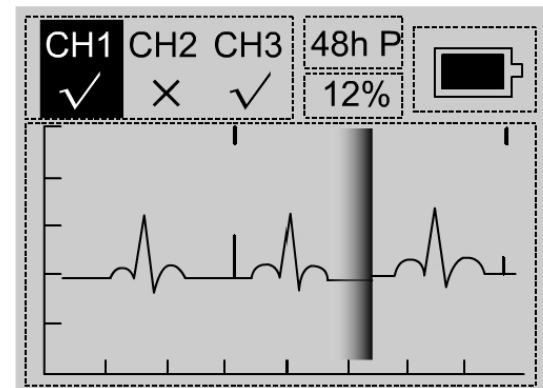
- ✓ 3-channel, 5-lds patient cable
- ✓ graphic display
- ✓ SD card
- ✓ just on AAA battery
- ✓ 24, 48 hours or up to 7 days recording
- ✓ USB & SDcard mode



# EUROholter 3view

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- ✓ Individual lead check
- ✓ battery status
- ✓ SD card status
- ✓ recording duration
- ✓ pacemaker detection  
yes/no





# EUROholter SW3/12

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- Automatic analysis and interactive validation
- All the popular features:
  - template analysis
  - event analysis
  - full disclosure ECG
  - ST-T analysis

# EUROholter SW3/12

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Further analysis tools:

- extended use of both mouse or keyboard
- patient marked events
- pacemaker detection and analysis
- Atrial Fibrillation/Flutter detection and analysis

# EUROholter SW3/12

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continued:

- Heart-Rate Variability analysis, in both Time- and Frequency-Domain
- hourly table, customizable
- summary view
- print preview and editing

# EUROholter SW3/12 Clinical

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Specialized tools are present in this version:

- up to 7 days 3-ch recording
- VLP/SAECG: Very Low Potentials, Signal-Averaged ECG
- TWA: T-Wave Alternans
- VCG: VectorCardiogram
- SAP: Sleep Apnoea
- DCA: Heart-Rate Acceleration and Deceleration Capacity

# EUROholter SW3/12

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Validated against the  
golden-standard reference  
MIT-BIH database !

# More details

Fast and easy  
recording  
management

Acquire Recorded Data

Patient Information

Name: Nome COGNOME      Doctor: [Dropdown]

Gender: Female [Dropdown]      Analysis Standard: Standard [Dropdown]

Age: 115

Patient ID: 1234567890

Sick Bed No. [Text Box]

Record Time: 28/06/2012 09:46:46 [Time Picker]

Recorder: [Dropdown]

Notes: [Text Area]

Powerline Filter: 50Hz [Dropdown]      Baseline Filter: Off [Dropdown]      Import From GDT File [Button]

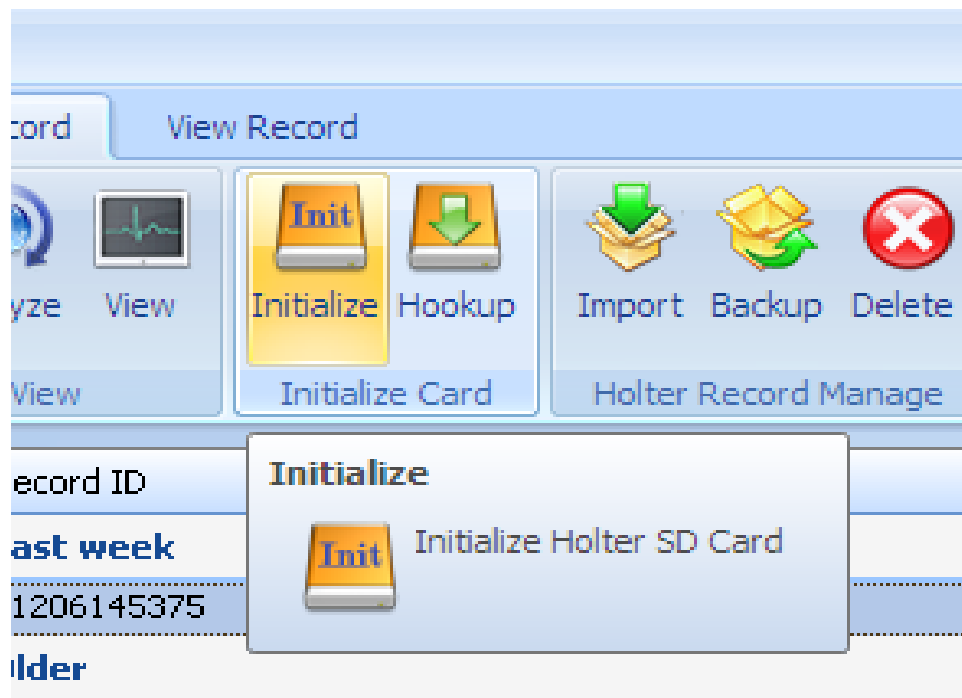
Channels:3-Channel, Duration:24 Hours, Pace Detection: Off

Next >      Cancel

# More details

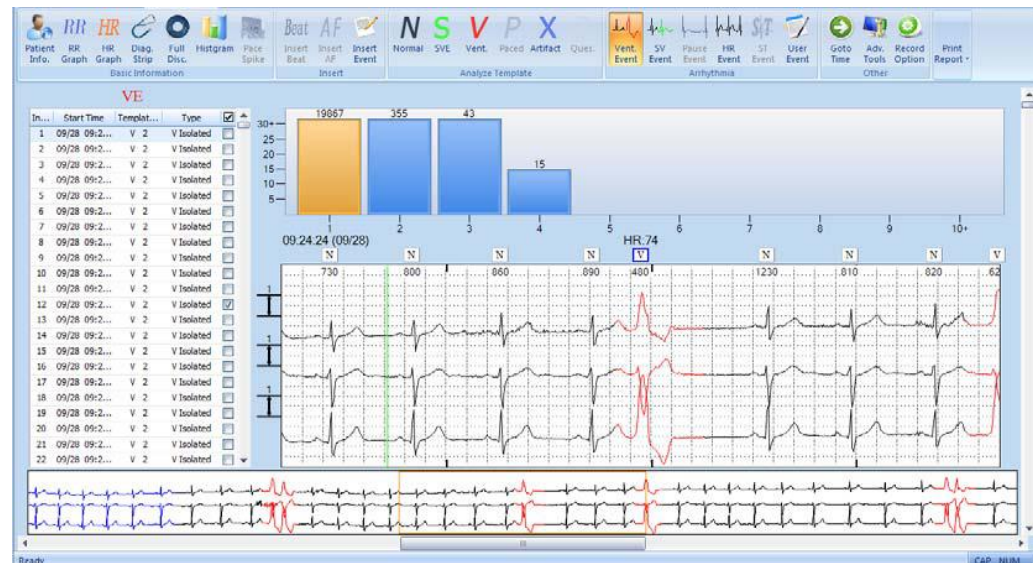
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Extended use of the on-line help or information.



# More details

Histogram-based quick view.

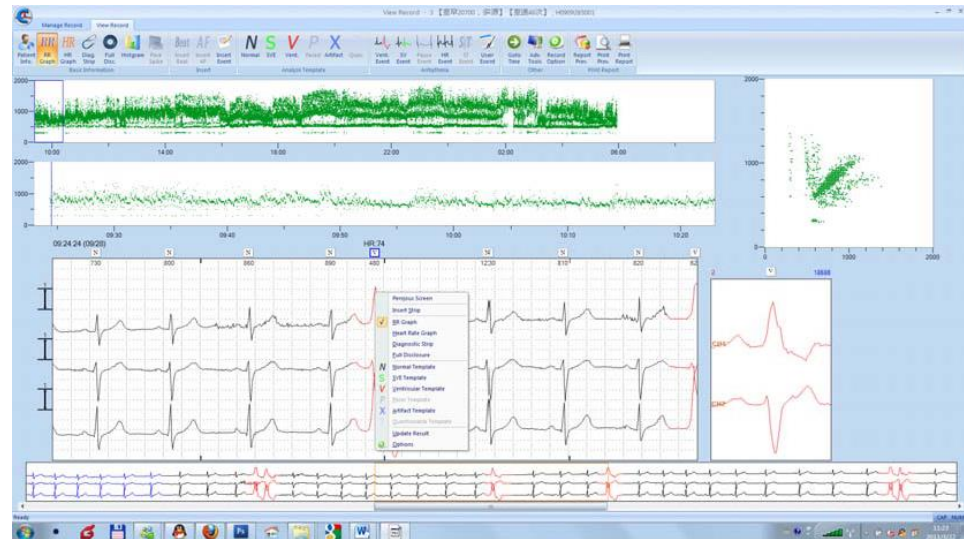




# More details

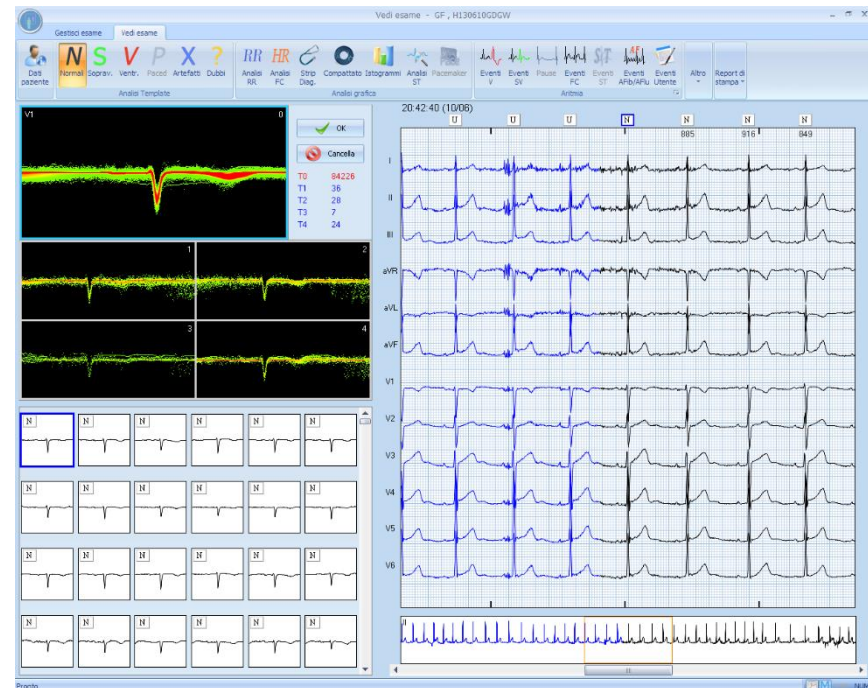
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Zoom-like RR and  
HR review.



# More details

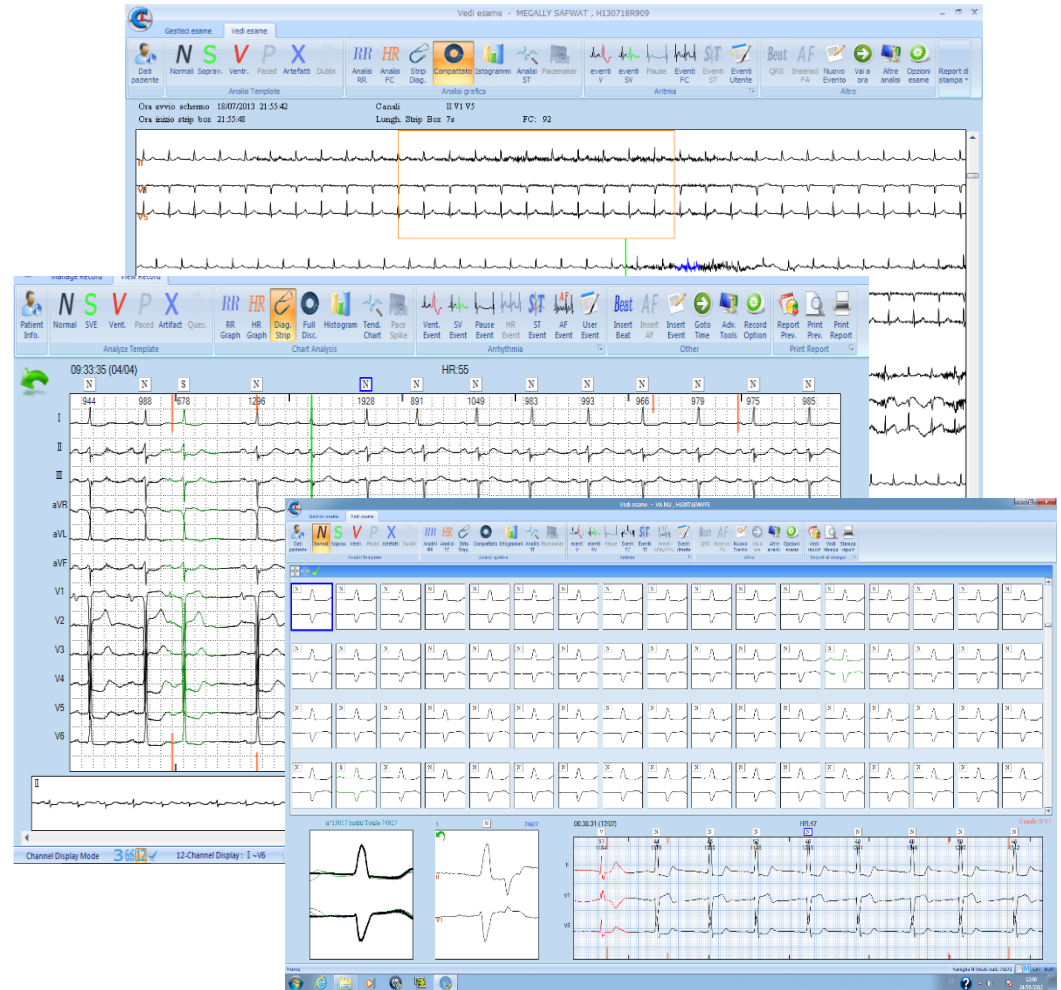
Powerful Template analysis: user can split a morphology in sub-templates.



# More details

Unparalleled ECG view:

- ✓ Strip
- ✓ Full Disclosure
- ✓ Morphology
- ✓ ...



# More details

Adding strips or events to the report has never been so easy

Index	Start Time	Event Label	<input checked="" type="checkbox"/>
1	10/15 00:54:59	Max Heart Rate	<input checked="" type="checkbox"/>
2	10/14 18:05:58	Min Heart Rate	<input checked="" type="checkbox"/>
3	10/14 14:01:31	V Isolated	<input checked="" type="checkbox"/>
4	10/14 20:45:33	V Isolated	<input checked="" type="checkbox"/>
5	10/14 13:54:20	V Couplet	<input checked="" type="checkbox"/>
6	10/14 23:11:49	V Couplet	<input checked="" type="checkbox"/>
7	10/14 12:12:57	V Trigeminy	<input checked="" type="checkbox"/>
8	10/14 13:37:11	SV Isolated	<input checked="" type="checkbox"/>
9	10/14 11:09:29	SV Couplet	<input checked="" type="checkbox"/>
10	10/14 14:00:00	SV Trigeminy	<input checked="" type="checkbox"/>

Record Start Time: 10/14/2009 04:02:11      Record End Time: 10/15/2009 03:56:39

Event Time: 10/14/2009 04:42:18      Event Label: ECG

Print Option:  Print Strip      Print Channel:  CH1  CH2  CH3

Print Length (s): 7

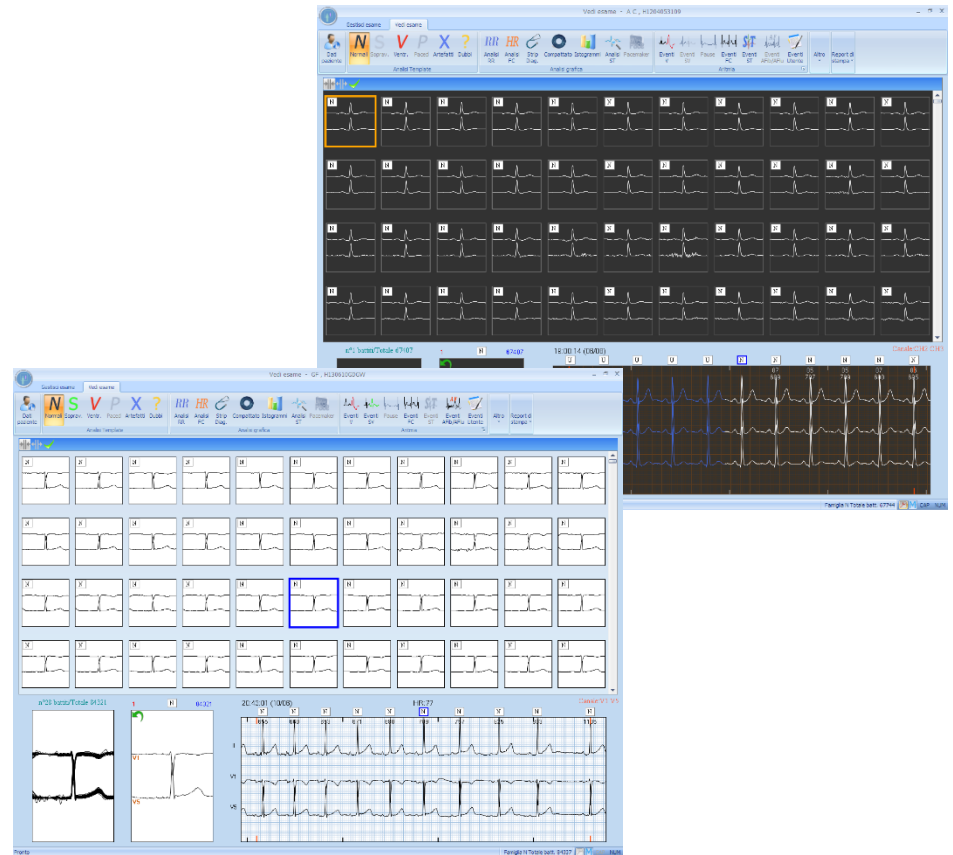
Comments:

Buttons: Add, Remove, OK, Cancel

# More details

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Custom GUI  
(Graphic User  
Interface).



# EUROholter HookUP SW

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It is a software tailor to manage the recorders:

- program a new recording
- download the recorded data to the PC
- share the data with one or more workplaces