The Welch Allyn MiniHolter Event ECG recorder works with Welch Allyn CardioPerfect™ Workstation Software to let you manage patient data in either a stand-alone system or in combination with other modules like resting ECG, stress ECG, spirometry and ambulatory blood pressure monitoring.

Using the unique advantages of digital event ECG storage, the MiniHolter Recorder provides a cost-effective alternative to conventional Holter monitoring. The recorder can be worn in a continuously looping mode for approximately one week.

The ergonomic design is robust yet elegant, and the patient buttons are easy to find even when worn under clothing. The high ECG capacity of the MiniHolter Recorder ensures there is always enough information captured to make an informed diagnosis.
Welch Allyn MiniHolter Event ECG Recorder

Continuous Looping (Retrospective)
Retrospective mode is for the patient with intermittent symptoms. The recording periods can be programmed from 5 seconds to 20 minutes with a looping memory of up to 10 minutes so it can be customised for the needs of your patients.

Dual-Channel ECG
The MiniHolter uses two independent channels (5 electrodes) for better arrhythmia and ischaemia discrimination.

Flexible Capacity
Memory cards with a capacity of up to 180 minutes mean that the patient can be encouraged to record every symptomatic episode, from arrhythmias to hypochondria. Patients with syncopal attacks have plenty of time to press the button.

Easy to Use
One-button operation makes it easy for the patient. The time, date and patient information are stored with each ECG on the memory card to simplify the review and storage of data. The display can also be used for lead quality evaluation during hookup.

High-Quality Accessories
Unique accessories can be hooked up to maximise patient comfort and ECG recording quality.

Comprehensive Report
Memory cards are plugged into the SD card slot of the PC for high-speed upload to the Welch Allyn CardioPerfect™ Workstation, allowing for the review, storage and printing of the recorded tests.

Inside the Workstation application the individual recordings can be reviewed in detail and comments/interpretation can be added before a complete report is printed.

Ordering Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>404954</td>
<td>HR-300R MiniHolter Kit (including Patient Cable, Belt and Pouch)</td>
</tr>
<tr>
<td>704554</td>
<td>HR300R Carry Case and Straps</td>
</tr>
<tr>
<td>711059</td>
<td>5 Lead Patient Cable, IEC MiniHolter</td>
</tr>
<tr>
<td>REC-SW</td>
<td>Welch Allyn CardioPerfect Workstation Event ECG Software</td>
</tr>
<tr>
<td>REC-ELEC-VLC</td>
<td>Chest Electrodes — 25 pieces</td>
</tr>
<tr>
<td>REC-ELEC-VL10</td>
<td>Chest Electrodes — 250 pieces (10 bags)</td>
</tr>
</tbody>
</table>

HR-300R MiniHolter Recorder Characteristics

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Length</td>
<td>112 mm</td>
</tr>
<tr>
<td>Width</td>
<td>78 mm</td>
</tr>
<tr>
<td>Height</td>
<td>36 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>396 g with batteries and patient cable</td>
</tr>
</tbody>
</table>

HR-300R Operation

Power Source: Two size AA (size LR6) alkaline batteries/lithium batteries
Sampling Rate: 250 sps
Storage Capacity Minimum: 1 GB SD Card = 180 min (90 min/channel),
Storage Period: Data remains valid for > 5 years or until memory card is initialised
Battery Life: up to 7 days or until memory is full
Frequency Response: 0.05 to 60 Hz
Conforms to Regulatory Standards:
- International Electrotechnical Commission CAN/CSA C22.2 No. 601.1-M90;
- IEC 60601-2-47, 2001; IEC 601-1-2, conforms to EN 55011, IEC 801-2,
  and IEC 801-3; EN 61000-4-2, 1999; EN 61000-4-3, 1995
- American Advancement of ANSI/AAMI EC38-1998
- Medical Instrumentation
- Australian Electromagnetic AZ/NZS 3200-1-0
- AECG Device Type I
- EMC Class 2B, Type BF

Recommended Minimum Computer Requirements

- Tower or Desktop PC Configuration
- Processor: Pentium 4 or higher
- Memory: 1 GB or higher
- Monitor: 1280 x 1024 true colour, 17” or higher
- Hard drive: At least 40 GB with 10 GB available
- Operating system: Windows® 2000 SP4 or XP SP2
- I/O: CD-RW
- Peripherals: Keyboard, mouse and printer; SD card reader
- Internet connection required for telemedicine option or to allow Welch Allyn to provide on-line technical support.
- PC running only CardioPerfect Workstation Software and EMR application during tests.

Note: All CardioPerfect installations include a free MSDE SQL license. This version of SQL allows up to 4 GB of data to be stored. (This will accommodate approximately 20,000 MiniHolter tests, depending on the file sizes.) Licenses can be purchased from Microsoft for versions of MS SQL that allows unlimited storage.

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