

Welch Allyn Holter Systems

Specifications

Holter Recorder

Characteristics

	HR-100	HR-300
Length	3.8 in (96.5 mm)	4.4 in (112 mm)
Width	2.2 in (56 mm)	3.1 in (78 mm)
Height	0.7 in (18 mm)	1.4 in (36 mm)
Weight*	7 oz (198 g)	14 oz (397 g)
Keyboard (HR-300 only)	Elastomer keypad with navigational and soft menu keys.	

*with battery (or batteries) and patient cable

Operation

	HR-100	HR-300
Power Source	one AA (size LR6) alkaline battery	two AA (size LR6) alkaline batteries
Sampling Rate	200 sps	200, 500, 1,000 sps
Recording Period	Maximum 24-48 hours continuous	
Storage Capacity	Up to 16 GB (SD card)	
Storage Period	Data remains valid for >5 years or until memory card is initialized	
Battery Life	48 hours	
Pacemaker Detection	ANSI/AAMI EC38-1998	
Effective A/D Resolution	2.5 μ V	0.5 μ V
Dynamic Range	+/- 300 mV	+/- 300 mV
Frequency Response	0.05 to 100 Hz	0.05 to 100 Hz

Environmental Specifications

Operating Temperature	32 °F to 113 °F (0 °C to 45 °C)
Storage Temperature	-10 °F to 149 °F (-23 °C to +65 °C)
Operating Humidity	10 to 95% noncondensing
Storage Humidity	5 to 95% noncondensing
Operating Altitude	700 to 1060 millibars
Storage Altitude	700 to 1060 millibars
Operating Shock	3 in (75 mm) drop to hard surface on any axis
Storage Shock	31.5 in (0.8 m) drop to hard surface on any axis
Operating Vibration	0.0002 G ² /Hz from 5 to 350 Hz, ramping to 0.0001 G ² /Hz from 350 to 500 Hz, random vibration spectrum, 10 minutes in each of three orthogonal axes

Device Classification

Meets or exceeds Council Directive 93/42/EEC, MDD, Class IIb	
AECG, Device Type	Type 1
EMC	Class 2B

Conforms to Regulatory Standards

International Electro-Technical Commission	CAN/CSA C22.2 No. 601.1-M90 UL 60601-1, IEC 60601-1-4, IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-47
American Advancement of Medical Instrumentation	ANSI/AAMI EC38-1998

System Software Specifications

Minimum System Requirements

- Microsoft® Windows XP Operating System, or Microsoft® Windows Vista Operating System (32-bit and 64-bit) Home Premium, Business or Enterprise, or Microsoft® Windows 7 Operating System (32-bit and 64-bit) Home Premium or Professional, or Microsoft® Windows 2003 Operating System
- 300 MHz Pentium processor or faster
- 256 MB RAM
- 40 GB hard drive
- Mouse and keyboard
- CD-ROM drive
- Printer with 300 dpi resolution
- USB 1.1 or 2.0—2 USB ports
- CD writer or equivalent for data backup (if required)
- 1024 x 768 screen resolution

Ordering Information

Kits and Systems

100710*	PCH-100 Office Holter Software Kit Includes software, 1 HR-100 Holter recorder, and 7-lead patient cable
100711*	PCH-100 Office Holter System Includes laptop with 15" display, laser printer, Holter software, 1 HR-100 Holter recorder, and 7-lead patient cable
100712*	PCH-200 Expert Holter Software Kit Includes software, 1 HR-100 Holter recorder, and 7-lead patient cable
100713*	PCH-200 Expert Holter System Includes laptop with 15" display, laser printer, Holter software, 1 HR-100 Holter recorder, and 7-lead patient cable

*Note: The above models include:

- USB Bluetooth Adapter
- USB SD Card Reader

Software

101510	PCH-100 Standalone Holter Software without Recorder
101511	PCH-100 LAN—3-user Holter Software without Recorder
101512	PCH-200 Standalone Holter Software without Recorder
101513	PCH-200 LAN—3-user Holter Software without Recorder

Accessories

401700	HR-100 Holter Recorder with 5-lead cable
401701	HR-100 Holter Recorder with 7-lead cable
401704	HR-300 Holter Recorder with 7-lead cable
704545	5-lead Patient Cable, AHA, HR-100
704547	7-lead Patient Cable, AHA, HR-100
704549	7-lead Patient Cable, AHA, HR-300
704553	HR-100 Carrying Case
704554	HR-300 Carrying Case
08113-0002	3-channel Holter Hookup Kit
45002-0000	Holter Electrodes, 500/case

Helping you improve patient care.

Welch Allyn
Holter Monitoring Systems



WelchAllyn®

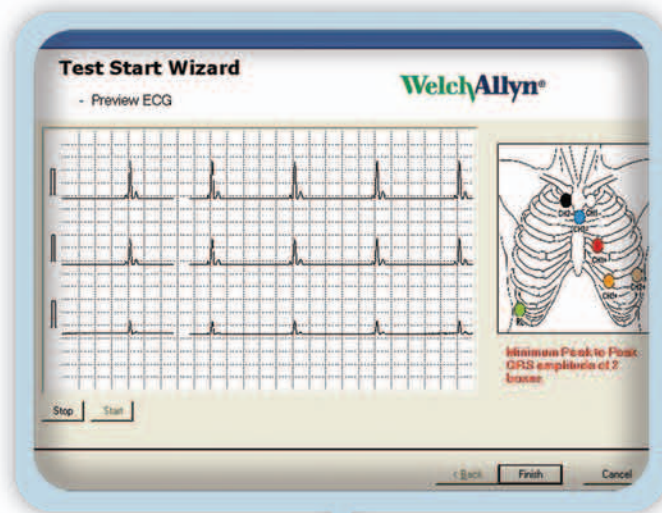
Advancing Frontline Care™

WelchAllyn®

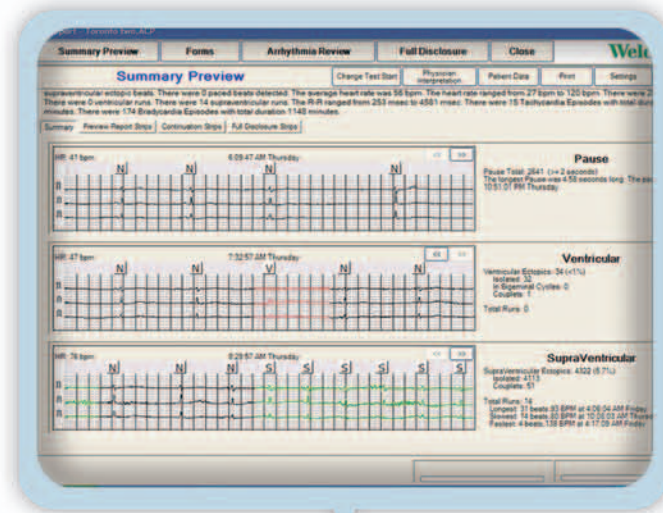
Advancing Frontline Care™

Welch Allyn Holter Monitoring Systems—user-friendly, configurable systems that improve practice efficiency and EHR compatibility while streamlining your workflow.

- Easy-to-use software and recorders help improve patient compliance due to their lightweight, compact profile
- Office or Expert Holter Software can be configured with a compact digital recorder featuring 2- or 3-channel recording for a detailed evaluation



Wireless preview of patient's ECG in real time to verify signal quality and placement



Summary preview of patient's ECG highlights serious abnormalities

Welch Allyn Office Holter Software—PCH-100

- Easy-to-use, intuitive menus allow you to easily program your test with Start Test Wizard
- Transfer recordings in minutes for immediate results, review even before your patient leaves the office
- Highlight key areas for further analysis with the unique summary results presentation
- View a live preview display of the ECG for lead quality verification
- Automatic pacemaker detection
- Format your reports so they work best for you
- Adjust clinical parameters to match your practice needs and workflow

Welch Allyn Expert Holter Software—PCH-200

Offers the features from the PCH-100 software plus additional detailed analysis and comprehensive editing tools including:

- Review detailed results from any entry point: Forms, Arrhythmias, Heart Rate, ST and FD modes
- Review and edit down to the beat level from every review mode
- Relabel beats individually or as a form
- Manually mark/label/insert ECG strips as required
- Mark and relabel regions as atrial fib/flutter or artifact
- Multiple final report customization options
- On-screen calipers for precise ECG measurement
- Control speed and resolution of full-disclosure review with Autopaging function
- Record results as you move through the editing process with the Floating report interpretation window
- Email Holter reports for review and consultation
- Administrative functions with password log-on controls to support your program for HIPAA compliance
- Heart rate variability analysis

Choose either recorder to work with your preferred software system.

HR-100: Holter recording in an incredibly small package

- 2- or 3-channel recording
- 24–48 hours of recording time
- Pacer detection
- Wireless transfer of patient's ECG in real-time to verify electrode quality and placement



« Now you can preview the ECG on the recorder display for remote initialization

HR-300: Powerful features for the demanding user

In addition to the features offered in the HR-100, the HR-300 offers the following:

- Display for real-time ECG preview or test programming
- Programmable sampling rates of 200, 500 and 1,000 sps

