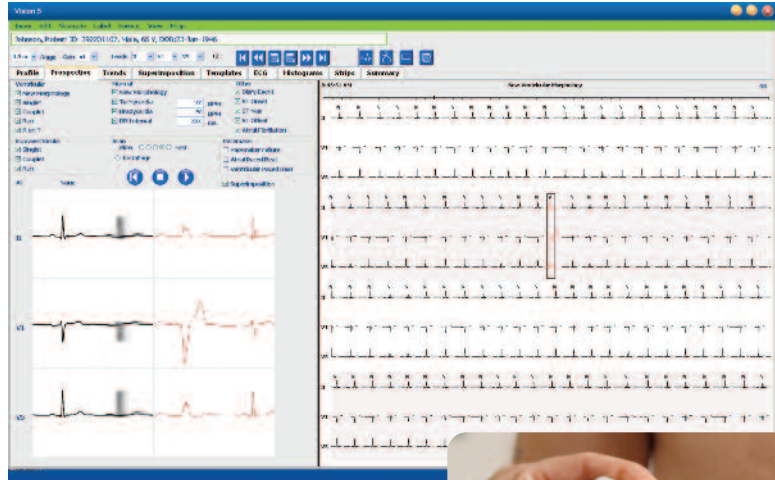


Vision 5 Holter System

PRIMARY BENEFITS:

- **Ease-of-use.** Combining speed, flexibility and performance, Burdick® Vision™ 5 meets the needs of routine Holter monitoring environments, as well as specialized clinical settings.
- **Accuracy.** Studies using American Heart Association (AHA) and Massachusetts Institute of Technology (MIT) standardized databases show Vision 5 to have 99.9% QRS detection accuracy.
- **Connectivity.** Easily transfer complete patient reports between Vision 5 and various information systems, enhancing data accessibility.
- **Workflow redefined.** Data transfer and automatic analysis require only about a minute, allowing for efficient patient report generation.



H3+ Digital
Holter Recorder

From practices performing routine Holter monitoring to clinics requiring advanced solutions, the Burdick Vision 5 Holter System provides an affordable, yet powerful diagnostic tool. Designed for today's tightly-managed healthcare environment, Vision 5 can be used to evaluate adult and pediatric patients to meet the needs of physicians and cardiologists alike.

CLINICAL SUPERIORITY

Burdick products have a long-standing reputation for accurate, efficient and dependable performance.

- Our VERITAS™ signal processing algorithms provide superior accuracy in beat detection, labeling, and noise rejection resulting in improved identification of events and rapid scanning of recordings.
- Performance measured against AHA and MIT-BIH standardized databases show the Vision 5 Holter algorithm has 99.9% QRS detection accuracy.

INTUITIVE WORKFLOW

- Data transfer and automatic analysis happen in about a minute. With intuitive menus and color-coded beat identifiers, the system quickly leads clinicians to the most significant arrhythmia events for review.
- Automatic strips enable rapid reporting of results, which in turn helps to optimize clinicians' time.
- Final results can be sent electronically, saving time and reducing cost. Reports are available in PDF and XML formats.

INNOVATIVE DESIGN

- The H3+™ digital recorder gives new meaning to the word compact and, along with Vision 5 software, provides a complete Holter solution.
- Flexibility in scanning and report formatting streamlines clinical workflows and satisfies individual user preferences.
- Atrial fibrillation detection, heart rate variability (HRV) calculations, pacemaker detection, ST segment and QT/QTc measurement are automatic and come standard for comprehensive Holter analysis needs.



Vision 5 software features advanced capabilities, providing the tools needed for even the most sophisticated cardiac analysis including:

HEART RATE VARIABILITY (HRV)

HRV software analyzes regulation of the sinoatrial node, the natural pacemaker of the heart. It measures the balance between sympathetic and vagus nerve activity, providing an indirect measure of heart health. Vision 5 performs time domain calculations and standard deviation trending, allowing the flexibility required to care for a variety of patients.

PACEMAKER ANALYSIS

The system software detects atrial and ventricular pacer spikes from an internal pacemaker, tracking the patient's paced activities through sensing, capture, and failure events.

ADDITIONAL FEATURES

- Automatic atrial fibrillation detection with the ability to add, edit and delete the atrial fibrillation regions in the review process.
- Retrospective, prospective, and superimposition scanning modes are supported to enable both traditional and advanced scanning options.
- Meaningful results are presented in trends, tables and histograms to assist with determination of event frequency and severity.
- Color-coded event review marks ST episodes, atrial fibrillation regions, artifact regions, ventricular events, supraventricular events, and any user-defined event episodes allowing quick identification of rate-related abnormalities.

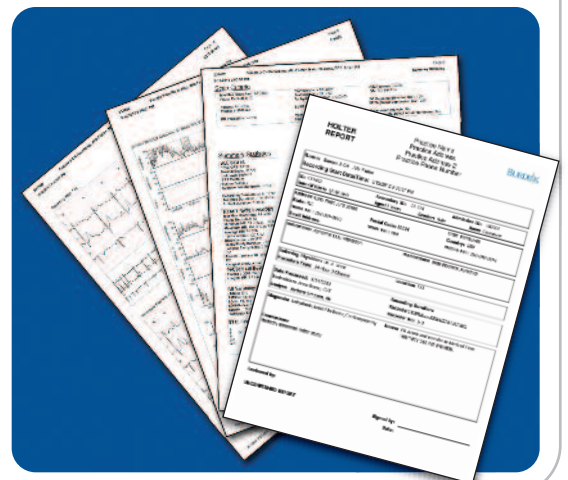
REPORTS THE WAY YOU WANT THEM

IN JUST MINUTES YOU'LL HAVE COMPLETE, PRINTED REPORTS IN HAND – FORMATTED AS YOU CHOOSE.

Plus, you can preview them on-screen first. It's fast, easy, and convenient. Reporting options include:

- HR/ST trend graphs, highlighting areas of concern for easy identification.
- Choice of full-sized diagnostic ECG strips with miniature content or 5, 10, 15, 30, and 60-minute page strips.
- Functionality to automatically or manually export final reports.
- Full disclosure reports that print all or any part of a patient's Holter recording in various formats, such as one, two, or three channels at 60 seconds per line.
- Comprehensive ST report with each ST episode including deviation, slope, duration, and heart rate at onset and offset.
- Physician conclusions can be added before printing.

*Preview on-screen,
immediately print,
or create a PDF
report at your PC.*



H3+ Digital Holter Recorder

PRIMARY BENEFITS:

- **Freedom to move.** The innovative H3+ recorder is compact and discrete, allowing patients the freedom to go about their daily lives.
- **Full graphic display.** LCD displays real-time ECG, ensuring proper patient hook-up before leaving the office.
- **Rapid data capture.** Data download in approximately 60 seconds provides for efficient results turn-around.



H3+ shown actual size

The H3+ Digital Holter Recorder, designed for the Vision 5 system, provides high-quality 3-channel Holter recordings with a signal preview screen. Delivering speed and efficiency, this device provides fast data transfer via USB cable which enables the recorder to be immediately accessible for the next patient hook-up.

CLINICIAN BENEFITS

- H3+ provides 3-channel recording with automatic pacemaker spike detection.
- Features a full graphic display to preview ECG waveforms during patient hook-up.
- Recordings are downloaded via USB cable to the Vision 5 Holter analysis system.
- Results are imported and rapidly analyzed with the Vision 5 Holter analysis system. Vision 5 provides sophisticated review and powerful editing tools to ensure accurate, quality reporting.

PATIENT BENEFITS

- The H3+ digital recorder weighs just 1 oz. (28 g) – so small, patients will hardly notice it's there!
- Lightweight, discrete recorder allows the patient freedom to perform routine activities that may lead to improved presentation of reported symptoms.
- Convenient event button allows patients to mark specific events that occur during the exam.
- With just one AAA battery, H3+ supports continuous recording for up to 48 hours.



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WARRANTY + SERVICE

Mortara Instrument is committed to the highest level of customer support. Please contact us for the program which best suits your needs.



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Core™ and Intel® are trademarks of Intel Corporation in the U.S. and/or other countries.

VISION 5 HOLTER SYSTEM

FEATURE	WORKSTATION MINIMUM SPECIFICATION*
PROCESSOR	Performance equivalent to an Intel® Core™ i3
GRAPHICS	1280 x 1024 (1920 x 1080 recommended)
RAM	4 GB
OPERATING SYSTEM	Operating System: Microsoft® Windows® 7 Professional 32-bit or 64-bit, Windows 8 Professional 64-bit
HARD DRIVE CAPACITY	160 GB
ARCHIVE	Network or external USB drive
INPUT DEVICES	Standard keyboard and 2-button scroll mouse
SOFTWARE INSTALLATION	CD-ROM
PRINTING DEVICE	HP PCL5-compatible printer series (recommended)
USB PORTS	1 free 2.0 USB port

H3+ DIGITAL HOLTER RECORDER

FEATURE	SPECIFICATION*
INSTRUMENT TYPE	Digital Holter recorder
INPUT CHANNELS	Simultaneous acquisition of 3 channels
STANDARD LEADS ACQUIRED	Modified I, II, III, aVR, aVL, aVF, and V
INPUT IMPEDANCE INPUT DYNAMIC RANGE ELECTRODE OFFSET TOLERANCE FREQUENCY RESPONSE	Meets or exceeds the requirements of IEC 60601-2-47
DIGITAL SAMPLING RATE	180 s/sec/channel used for standard recording and storage
SPECIAL FUNCTIONS	Pacemaker detection; ECG display during hook-up
A/D CONVERSION	12 bits
STORAGE	Internal, non-volatile memory
DEVICE CLASSIFICATION	Type CF defibrillator-proof applied parts, internally powered
WEIGHT	1 ounce (28 grams) without battery
DIMENSIONS	2.5 x 1.0 x .75" (64 x 25 x 19 mm)
BATTERY	1 AAA alkaline required for up to 48 hours runtime