

# BURDICK® Vision™ 5L and 5LR Digital Holter Recorders

High-quality ECG digital recording with visual signal verification

## Primary Users

Physician practices, hospitals, cardiologists, and research universities and institutes

## Primary Benefits

**Real-time ECG display.** LCD displays real time ECG hook-up eliminating the need for test jacks and repeat tests.

**Ease of use.** Easy-to-use five-button keypad to enter patient and test parameters.

**Convenience.** The removable compact flash card lets you send out the recorder right away, without having to wait to download previous patient results.

**Speed.** Fast data transfer to Burdick Vision or Burdick Vision Premier software for quick turnaround.

**Versatility.** Integrated pacemaker detection lets you use the recorder even on patients with pacemakers.

**Accuracy.** An ECG sampling rate of up to 1,000 samples per second (5LR only) captures even the smallest changes.



The Burdick Vision™ 5L and Burdick 5LR Digital Holter Recorders provide high-quality 5- or 7-lead, 3-channel Holter recordings with a signal preview screen. Fast data transfer using a compact flash card frees the recorder for immediate assignment to the next patient.

## High sample rate for research applications

The Burdick 5LR Recorder captures the patient's ECG at 1,000 samples per second over a period of up to 24 hours. This allows detection of cardiac arrhythmias typically of interest to universities and other research oriented facilities.

## Visual verification of ECG tracing

An easy-to-read integrated LCD display enables visual verification of ECG tracing.

- + Visually confirm good ECG signals before sending the patient home. You'll get results the first time.
- + Reduces the number of re-tests and eliminates the need for test jacks.
- + Provides rhythm confirmation.

## Easy to use and easy to wear

- + Compact size makes it easy for patients to wear. Simple controls make it easy to use.
- + Use the LCD display to preview ECG rhythm or to confirm test settings and patient information.
- + Enter additional test parameters and patient demographics via the sample 5-button keypad.
- + Integrated pacemaker detection enables use on virtually any patient.

# BURDICK® Vision™ 5L and 5LR Digital Holter Recorders

TECHNICAL SPECIFICATIONS		
	BURDICK VISION 5L	BURDICK 5LR
CHANNELS	3	
RESOLUTION	8-bit sampling	16-bit sampling
RECORDING	Full disclosure programmable	
DOWNLOAD INTERFACE	Removable compact flash (non-volatile)	
SAMPLE RATE	200 samples per second	1,000 samples per second
FREQUENCY RESPONSE	0.05 Hz to 60 Hz @ -3 dB	0.05 Hz to 300 Hz @ -3 dB
SIGNAL VERIFICATION	LCD display – ECG display on LCD	
MEMORY		
Recording time	User selectable 24 or 48 hours	User selectable 1, 4, 8, 12, 16, 20, or 24 hours
Type	Preprogrammed, non-volatile flash memory	
Capacity	128 MB (removable)	1 GB (removable)
ELECTRICAL		
Gain settings	1X	
Connector	20 pin low profile	
Patient cable	7-pin yoke or 5-pin yoke, integrated cable, snap-on	
POWER REQUIREMENTS		
Type	(1) AA alkaline IEC-LR6	
Battery duration	48 hours	24 hours
ENVIRONMENTAL		
Operating temperature	32°F to 113°F (0°C to 45°C)	
Operating relative humidity	10% to 95% (non-condensing)	
Storage temperature	-4°F to 149°F (-20°C to 65°C)	
Storage relative humidity	5% to 95% (non-condensing)	
ENCLOSURE	Molded plastic/water resistant	
OPERATING POSITION	Any orientation, horizontal aspect	
DIMENSIONS (H x D x W)	3 in x 3.75 in x 0.9 in (76 mm x 95 mm x 23 mm)	
WEIGHT	4 oz (113 g) with batteries	
WARRANTY	1 year unit, 90 days flash card memory	

## ORDERING INFORMATION

RECORDERS AND ACCESSORIES	
92514-01	Vision 5L, English language with 128 MB flash card and 5-lead cable
92515-01	Burdick 5LR research recorder, multi-language with 1GB flash card, 5-lead cable, and patient hookup kit.
043250	Patient hookup kit (electrodes, batteries, skin prep kit)
010-1640-00	Removable compact flash card for 92514 (128 MB)
40-00054-01	Removable compact flash card for 92515 (1GB)
010-1726-00	5-lead cable, 2-channel
010-1643-00	7-lead cable, 3-channel
010-1642-00	5-lead cable, 3-channel

### Warranty and service offerings protect your investment

Warranty and service offerings help protect your investment from unforeseen service costs, providing one less thing to worry about. The 5L and 5LR Digital Holter Recorders come with a one year warranty when the warranty card is returned. During this period, we provide unit exchange and a toll-free number for technical support.

### A powerful companion to the Burdick Vision Premier and Vision Holter systems

- + Powerful software is easy to learn and easy to use.
- + The system delivers 99.95% accuracy when tested against industry-standard Massachusetts Institute for Technology and American Heart Association databases.
- + The result of more than 25 years of research, the system algorithms automatically identify abnormalities and compile all beats into appropriate morphology categories.
- + The QuickStep wizard provides a practical guide at every step of the analysis.
- + Color-coded abnormalities help even novice users identify potential problems.
- + Full disclosure reports can be printed for any part of a patient's recording in various formats, such as one, two, or three channels at 10, 30 or 60 seconds per line.

Cardiac Science Corporation • 3303 Monte Villa Parkway, Bothell, WA 98021 USA • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • info@cardiacscience.com

Orders and Customer Care (US and International) • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • care@cardiacscience.com

Technical Support • (US) Fax: 425.402.2022 • technicalsupport@cardiacscience.com • http://websupport.cardiacscience.com/webchat/ • (International) internationalservice@cardiacscience.com

Cardiac Science International A/S • Kirke Vaerloesevej 14, DK-3500 Vaerloese, Denmark • +45.4438.0500 • Fax: +45.4438.0501 • international@cardiacscience.com

United Kingdom • The Manse, 39 Northenden Road, Sale, Manchester, M33 2DH, United Kingdom • +44.161.926.0000 • uk@cardiacscience.com

France • Parc de la Duranne, 565, Rue René Descartes, F-13857 Aix-en-Provence Cedex 3, France • +33.4.88.19.92.92 • france@cardiacscience.com

Central Europe (D, A, CH) • Oskar-Schindler-Strasse 3, D-50769 Köln, Germany • +49.221.33734.300 • centraleurope@cardiacscience.com

China • 6/F South Building, 829, Yi Shan Road, Shanghai 200233, China • +86.21.6495.9121 • china@cardiacscience.com