

The BURDICK® Universal ECG

The portable, PC-based ECG device that connects to your EMR

Primary Users

On-the-go physicians, nurses, and medical technicians

Primary Benefits

Convenience. Weighing less than 10 oz (0.28 kg), the device is one of the smallest and lightest mobile ECGs in the world.

Connectivity. The unit interfaces with most electronic medical record (EMR) systems anywhere there's a secured Internet connection.

Ease of use. Microsoft® Windows®-based menus make it quick and easy to use.

Efficiency. Insert the ECG card into your PC or laptop and collect, view, record, and analyze up to 12 channels of high-resolution data.

Flexibility. You can scroll through up to five minutes of data and select the 10-second segment you wish to analyze.

Speed. Couple with Office Medic™ software for a narrative interpretation and full set of measurements.

Multi-modality. You can test for multiple modality parameters (ECG, oximeter, and spirometer) from a single computer, using one software application, and one patient database. That saves time!



An innovative yet practical PC-based ECG

The Universal ECG is a complete system with advanced technology that is easy to use – it's an effective and versatile performer.

- + Instantly display up to 12 channels of real-time data on the screen.
- + Have complete control over speed, sensitivity, and filters.
- + Use the mouse to change channels and zoom in on any waveform.
- + Take measurements using the on-screen manual calipers.
- + Connect through your computer or laptop (and our HeartCentrix® connectivity solution allows bi-directional communication).

You will especially appreciate the customizable report formats that can be printed on standard copier paper – that's simple and cost effective!

The Universal ECG connects

When working in tandem with your laptop, this PC-based system can directly communicate with your EMR from the hospital, clinic, office, patient's residence – just about anywhere!

- + Quickly download patient demographics from the EMR, collect patient ECG information, and run the analysis.
- + Upload ECG data and reports directly to the EMR and eliminate the hassle of handling hard copies.
- + Store unlimited data and reports on the EMR.
- + Network multiple locations across your practice to maximize your investment.

Units purchased without HeartCentrix can be upgraded at your convenience. Trust us, your workflow will improve when you use HeartCentrix in tandem with the Universal ECG.

HeartCentrix – an exceptional connectivity solution

HeartCentrix is an optional communications package to connect your Burdick® and Quinton® devices to your EMR. With a single sign-on within the EMR, you'll be able to download information and orders directly to the ECG and upload test results back to the EMR.



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TECHNICAL SPECIFICATIONS	
CONNECTIONS Hub (H x D x W) Patient leads PC connection 10 lead cable Electrode connections Electrode labeling Display and operating console	0.8 in x 3.6 in x 3.3 in (20 mm x 91 mm x 85 mm) 3.3 ft (1 m) 3.3 ft to 9.8 ft (1 m to 3 m) cable, DB9 female 12 patient leads Either 0.16 in (4 mm) banana plug with “tab” or “snap” connectors Abbreviations and colors to comply with either IEC or AAMI standards Dependent on PC
SYSTEM REQUIREMENTS	Available type II PC card slot, USB port or RS232 port with 128 byte minimum FIFO buffer; Windows® 2000/XP; a Windows supported printer
POWER REQUIREMENTS	Power source can be powered by the PC serial port control lines in most cases, depending on the PC being used. Can draw extra power if necessary from a PC PS/2 port. Supply voltage: 4-16 V DC; Supply current: <17 mA DC
FILTERS Permanent User selectable	High pass: 0.05 Hz 1st order Low pass: 170 Hz 1st order Baseline wander: Baseline reset by adaptive zeroing algorithm Notch filters: 50 Hz, 60 Hz (Mains Noise Rejection) Low pass: 35 Hz (Muscle Artifact Filter)
REPORT CAPABILITIES	User selectable report formats
ACQUISITION Common mode rejection Leads off indicators Gain/sensitivity Sweep speed Input range Acquisition sample rate Frequency response	-60 dB (minimum) Connection status for each lead is shown on “Recording ECG” screen 5mm/mV, 10mm/mV, or 20 mm/mV 12.5 mm/s, 25 mm/s, or 50 mm/s +/- 6 mV 1,000 samples/second (compressed to 500 Hz with peak picking and averaging algorithm) 0.05 to 175 Hz +/- 3 dB
SAFETY STANDARDS	ANSI/AAMI EC11 IEC60601-1-2 IEC60601-1 IEC60601-2-25
SAFETY	Defibrillation protection: patient leads are isolated from system and operator with 4 kV protection
ENVIRONMENTAL Operating temperature Storage temperature Humidity	32°F to 104°F (0°C to 40°C) -4°F to 158°F (-20° to 70° C) 5% to 85% non-condensing
WEIGHT	9.9 oz (0.28 kg)
WARRANTY	3 years with return of warranty card; sensors 90 days

ORDERING INFORMATION

92309-02	Universal ECG, English version, interpretive (AHA)
92309-06	Universal ECG, international version, interpretive (IEC)
92525-01	SpirOxCard, English
92526-01	SpiroCard, English

ACCESSORIES

704-0102-00	Clear Choice lead adapters
047029	CardioSens™ Ultra II disposable electrodes

Warranty and service offerings protect your investment

With comprehensive warranty and service offerings, your investment is protected from unforeseen service costs. The Universal ECG comes with a 3-year warranty when the warranty card is returned. Plus as new software releases arrive, software upgrading is available. Our toll-free technical support is available to answer questions. Onsite parts and labor are also available. Contact your representative to select a program that meets your needs.

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