

# The BURDICK® 8300 ECG

An easy-to-use EMR-friendly ECG device for physician offices

## Primary Users

Physician offices  
Cardiology clinics

## Primary Benefits

*Ease of use.* The easy-to-clean keyboard, dedicated function keys, and intuitive menu make it easy to use.

*Connectivity.* Comes with Ethernet connectivity as a standard feature. It's compatible with wireless 802.11, and has bi-directional communication with our HeartCentrix® connectivity solution.

*Convenience.* The streamlined, lightweight unit fits into your office space and stores up to 50 ECG records.

*Pediatric applications.* The optional interpretation package lets you calculate interpretations down to a one-day-old infant.

*Performance.* The AccuPrint™ feature restricts ECG printing if 10-second data quality is poor, ensuring a clear printout and eliminating retakes.

*Flexibility.* The unit manually or automatically produces high-quality 3-, 4-, 6-, and 12-lead ECG printouts.

*Confidence.* Opt for the Glasgow algorithm (GRI) to consider clinically significant criteria (gender, age, race, medication, and classification) to interpret patient data. (Ours improves on the basic GRI and provides brief and full interpretation statements.)

*Longevity.* This durable unit is covered by a three-year warranty and service program for worry-free usage.



## A simple yet sophisticated ECG

The Burdick 8300 is a practical, no-nonsense ECG device. Its friendly user interface and clear, readable 5.7-inch monochrome display makes reading data easy, and protocol choices streamline your workflow.

- + Easily navigate through the menus, enter patient information, and verify the patient connection before printing.
- + Quickly review test results – reports can be printed, edited, and confirmed right from the patient's chart.
- + Eliminate the hassle of scanning and filing hard copies by transmitting test results directly to your EMR system.
- + Industry-leading data acquisition speed (64,000 sps) for pacemaker detection.

In short, the Burdick 8300 makes your work life easier while delivering reliable performance. This might be a good time to transition to a device that does so much for you.

## Proven performance using the GRI algorithm

The Burdick 8300 ECG cleans the ECG waveform before it is measured and analyzed by the Glasgow Royal Infirmary (GRI) algorithm. With more than 30 years of continuous refinement, the GRI algorithm is the first and only to consider five clinically significant variables – including gender, age, race, medication, and classification – to interpret patient data.

- + Interpretive statements are consistent with the AHA/ACC/HRS 2007 Guidelines for Diagnostic Statements.
- + Interpretive STEMI statements are consistent with the AHA/ACC 2009 Recommendations for Interpretation.

## HeartCentrix® and Pyramis® – exceptional connectivity solutions

Whether you need to move ECG data either into an EMR/HIS or a comprehensive ECG data management system, HeartCentrix and Pyramis will connect your Burdick® and Quinton® devices. With a single sign-on, you'll be able to download information and orders directly to the ECG device and upload test results back to the EMR/HIS.



## TECHNICAL SPECIFICATIONS

<b>DATA STORAGE</b>	Up to 50 records
<b>NETWORK CONNECTION</b> Wired Wireless	10/100 MBPS Ethernet via RJ45 802.11g (compatible with 802.11b networks), security options including WEP (64/128 bit), WPA / WPA2 (Personal and Enterprise, including AES), EAP-TLS, EAP-FAST with automatic provisioning PEAP/MSCHAPv2, LEAP, RADIUS servers (including Microsoft IAS, Cisco ACS, and Cisco Aironet 1200), roaming across WAPs of various configurations and support for mixed 802.11 / Ethernet networks
<b>POWER REQUIREMENTS</b> AC operation  Battery operation Battery duration	100-240 VAC +/-10%, 50/60 Hz at external power source 14.4 V NiMH rechargeable battery pack 200 pages or 35 minutes continuous printing (In manual mode at 25 mm/s)
<b>PRINTOUT</b> Printout device Paper dimensions Paper type  Chart speeds Gain Printout formats	216 mm thermal dot array 8.5 in x 11 in (US letter) or 210 mm x 300 mm (A4) Thermal sensitive (Burdick Assurance® or Heartline™ paper recommended) 12.5, 25, 50 mm/sec 5, 10, 20 mm/mV chest or limb (may be split) 3-, 4-, 6-, or 12-channel; additional rhythm formats
<b>ACQUISITION</b> Lead selection  Measurement (standard), Interpretation (optional) Pacemaker display capability Modes Frequency response Input impedance Electrode offset tolerance A/D conversion Artifact filter response Data storage resolution	Meets IEC 60601-2-51 I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, V4R; supports Cabrera and alternate chest lead (chest lead selection V2R thru V9R + V7, V8, V9) Diagnosis based on five demographic criteria  Meets or exceeds IEC 60601-2-51 (64,000 samples/second acquisition) Automatic, rhythm, or manual Meets or exceeds IEC 60601-2-51 Meets or exceeds IEC 60601-2-51 +/- 300 mV 8,000 samples/second, 2.5 µV LSB RTI 40 Hz, -3db 500 samples/second, 2.5 µV LSB RTI
<b>SAFETY</b>	Leakage current: Patient <10 µA, chassis <100 µA; Defibrillation protection: to 5000 V, 360J
<b>DISPLAY</b>	Monochrome LCD; 5.7 in diagonal
<b>KEYBOARD</b>	Full alphanumeric keypad plus designated quick keys

<b>SAFETY STANDARDS</b>	UL 60601-1 EN 60601-1 1990/1988 +A1.A2 EN 60601-2-25 & Amend. 1 ANSI/AAMI EC53 EN 60601-2-25 IEC 60601-2-51 EN/ISO 10993-1 EN/ISO 10993-10 EN/ISO 13485 EN/ISO 14971 ISTA 1A 21 CFR Subchapter H	2002 No. 236 93/42/EEC ANSI/AAMI EC57 IEC 60417 IEC/TR 60878 ISO 7000 ISO 15223-1 EN 1041 EN 980 IEEE802.11-2007 EN 60601-1-2 CAN/CSA C22.2 no. 601.2.25, Amend. 1 CAN/USA C22.2 no. 601.1-M90
<b>ENVIRONMENTAL</b> Operating temperature Operating relative humidity Operating atmospheric pressure  Storage temperature Storage relative humidity Storage atmospheric pressure	50°F to 104°F (10°C to 40°C) 20% to 75%, non-condensing  1060 hPa to 700 hPa (-500 ft to 10,000 ft reference to sea level)  -4°F to 113°F (-20°C to 45°C) 10% to 90%, non-condensing 1060 hPa to 190 hPa (-500 ft to 40,000 ft reference to sea level)	
<b>DIMENSIONS</b> (H x D x W)	7.5 in x 13.125 in x 15.0 in (18.7 cm x 33.4 cm x 38.1 cm)	
<b>WEIGHT</b>	11 lb (5 kg) (including external power supply)	
<b>WARRANTY</b>	Three years with return of warranty card	

## ORDERING INFORMATION

### STANDARD CONFIGURATION

E8300-E I 1	8300, interpretive, English, communications (Ethernet, USB) AHA accessories
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### CUSTOMIZED CONFIGURATION

E8300-	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	
<b>E</b>			English
<b>I</b>			With interpretation (adult, pediatric, pacemaker)
<b>M</b>			Measurements only
	1		Accessory kit 1 (AHA cable, LTR, 120v)
	2		Accessory kit 2 (IEC cable, A4, 220v)
	3		Accessory kit 3 (AHA cable, A4, 220v)
	4		Accessory kit 4 (IEC cable, LTR, 220v)

### ACCESSORIES AND UPGRADES

XKTEINTPR	Interpretation option
XKTE80211	802.11g upgrade
716-0237-00	Assurance paper
047029	CardioSens® Ultra II electrodes
012-0844-01	Patient cable, AHA, 10 non-replaceable leads
XCR000001A	Heavy duty deluxe cart
XCR000002A	Standard roll stand
XCR000004A	Flexible cable hanger for the deluxe cart



Sales and Service of Cardiology and Surgical Equipment and Supplies

