

The BURDICK® 8500 ECG

A clear view of proven performance in a compact device

Primary Users

Hospitals and cardiology clinics

Primary Benefits

Convenience. Export records to network drives, USB, or EMRs. Store up to 300 ECG records.

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.

Ease of use. The easy-to-clean keyboard, dedicated functions keys, intuitive menu, and on-screen QuickTips make it easy to use.

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

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

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

Durability. Known for its legendary durability and dependability, Burdick is the preferred name in digital ECGs, for practices and clinics.

Primary or acute care use. The interpretation package provides a choice of brief or full-format statements (including reason statements).



Trusted technology at every angle

The Burdick 8500 ECG shows you what you need, comfortably. Its friendly user interface, multi-angle 7-inch widescreen, and color display makes reading waveform data easy, and protocol choices streamline your workflow.

- + View continuous 3-, 6-, and 12-leads of data on the color display.
- + Adjust the unique 7-inch adjustable widescreen color display for contrast and viewability.
- + Store up to 300 digital ECG records; enjoy on-screen QuickTips.
- + Reduce typing mistakes and save time by downloading patient information from your electronic medical record (EMR/HIS) system. Eliminates the hassle of scanning and filing.
- + Includes an industry-leading, four-year warranty and service program for worry-free usage.
- + Industry-leading data acquisition speed (64,000 sps) for pacemaker detection.

Proven performance using the GRI algorithm

The Burdick 8500 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.
- + Pediatric and neonate interpretation based on industry-only V4R lead placement.

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.



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TECHNICAL SPECIFICATIONS	
DATA STORAGE	150 records standard, upgrade to 300
NETWORK CONNECTION 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
POWER REQUIREMENTS AC operation Battery operation Battery duration	100-240 VAC +/-10%, 50/60 Hz at external power source 14.4 V NiMH rechargeable battery pack 300 pages or 55 minutes continuous printing (In manual mode at 25 mm/s)
PRINTOUT 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
ACQUISITION 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
SAFETY	Leakage current: Patient <10 µA, chassis <100 µA; Defibrillation protection: to 5000 V, 360J
SAFETY STANDARDS	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 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
DISPLAY	Color LCD; 7 in diagonal
KEYBOARD	Full alphanumeric keypad plus designated quick keys
ENVIRONMENTAL 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)
DIMENSIONS (H x D x W)	5.5 in x 13.125 in x 15.0 in (14.0 cm x 33.4 cm x 38.1 cm)
WEIGHT	11 lb (5 kg) (including external power supply)
WARRANTY	4 years with return of warranty card

(Available only in the U.S.A.)

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ORDERING INFORMATION

STANDARD CONFIGURATION	
E8500-E I 1	8500, interpretive, English, communications (Ethernet, USB, analog out) AHA accessories

CUSTOMIZED CONFIGURATION	
E8500-	X X X

E	English
I	With interpretation (adult, pediatric, pacemaker)
M	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	
XKTEST300	Upgrade kit, storage 300
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

Warranty and service offerings protect your investment

With warranty and service offerings we help protect your investment from unforeseen service costs. The Burdick 8500 has a four-year warranty when the warranty card is returned.

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