

Eclipse 850 ECG

High performance and unequalled reliability in a compact package

Resting ECG
System

Proven in over 10,000 installations, the Eclipse™ 850 ECG delivers high performance in a compact package. With all the functionality of a hospital-grade ECG, it is the ideal choice for medical professionals in either a hospital or physician's office, where ECGs are performed frequently.



High Performance for Superior Results

- STABLE baseline filter decreases the level of artifact by assuring that the ECG baseline is stable with no distortion of ST measurements
- User definable, customizable output allows reporting flexibility
- Storage for 40 patient records improves workflow for busy practices
- AccuPrint™ restricts ECG printout when leads are not properly attached or artifact exists
- Interpretive models include Pacemaker algorithm, which accommodates patients with pacemakers

- Choice of QTc calculation formulas, includes Hodges, Bazett, Framingham and Fridericia
- Interpretive models with communications are compatible with FAA regulations
- Optional exercise stress interface extends system utility

Easy-to-use Interface Maximizes Productivity

- Backlit LCD preview screen displays real-time ECG results, allowing patient monitoring throughout the procedure
- Intuitive menus for maximum ease of use
- Single button STAT printing
- High resolution thermal printer provides easy-to-read tracings
- The system operates on AC or battery power
- Full alpha-numeric keyboard

Optional Management of ECG Records

An optional communications interface expands the functionality of the Eclipse 850 by adding fax capability as well as a modem or direct interface to PC-based ECG management software.

Combining the proven Eclipse 850 medical device with PC storage and retrieval capability gives doctors all the benefits of a dedicated ECG device with the ability to view and access diagnostic quality ECG tracings from personal computers. Tracings are stored in Adobe® Acrobat® PDF format compatible with most commercial Electronic Medical Records systems.

The Eclipse 850 can also be coupled with the Pyramis® ECG management system, providing instant access to information, automating the process of managing information and eliminating time spent locating and retrieving records. The Pyramis ECG Management System is a true enterprise-wide cardiology information management system. It provides workflow management and integrates disparate patient data from legacy systems into a single, patient-centric, cardiology record.

Features

- Automatic, manual or 12-lead rhythm operation for maximum flexibility
- Easy-to-read, backlit preview screen allows patient monitoring
- Optional, powerful interpretation algorithm includes five factors as well as pediatric analysis and pacemaker enhancement for a second opinion you can really count on
- AccuPrint restricts ECG printout when leads are not attached correctly, ensuring a clear printout and eliminating retakes
- Paperless storage capabilities available with data management

BURDICK®

Eclipse 850 ECG

A Second Opinion That You Can Count On

The interpretive option, Eclipse 850i, utilizes the proven University of Glasgow algorithm (formerly known as the Glasgow Royal Infirmary algorithm) for interpretation, providing a silent second opinion. Unlike competitive products, which limit algorithm criteria to age, the University of Glasgow algorithm, under continuous development since the 1970s and introduced by Burdick in 1995, bases its analysis on five clinically significant criteria: gender, age, race, medication and classification.

This is critical because ECG results for patients with different demographic profiles and medical conditions can vary greatly. For example, subtle T-wave changes that are considered abnormal for a white male may be considered normal for a black male of the same age. An ECG that would represent LVH in a 50-year-old female may be normal for a 50-year-old male. These are just two examples of hundreds of possible clinical issues that may arise when not using an algorithm that takes into account age, gender, race, medication, and classification.

Units purchased without interpretation can be upgraded at any time.

Warranty and Service Offerings Protect Your Investment

With comprehensive warranty and service offerings Burdick helps protect your investment from unforeseen service costs, providing one less thing to worry about. Contact your Burdick representative to select a program to meet your needs.



TECHNICAL SPECIFICATIONS	
Dimensions	11.75" x 18.16" x 4.14" (299 x 462 x 105 mm)
Weight	14.2 lbs (6.45 Kg)
Display	Backlit 320 x 240 LCD
Keyboard	Full alphanumeric keypad
Input/output	Compact flash (proprietary true IDE); Units w/communications Serial RS-232; Telephone line interface (RJ11C); Analog/TTL/EXTOL output (25 pin D)
Data storage	40 patient records
Power requirements	AC operation: 115/230 V AC +/-10%, 0.80/0.40 A, 50/60 Hz; Fuses: For 115 V, 1.0A, 250 V type T; for 230 V, 0.5A 250 V type T; Battery operation: 16.8V NiCad rechargeable battery pack (80 minutes w/o printing or 40 minutes w/ 40 ECGs)
Printout	Printout device: 216 mm thermal dot array; Paper dimensions: 8.5" x 11" (US letter) or 210 mm x 300 mm (A4); Paper type: Thermal sensitive; Chart speeds: 10, 25, 50 mm/sec; Gain: 5, 10, 20 mm/mV; 10 mm/mV limb with 5 mm/mV chest; 20 mm/mV limb with 10 mm/mV chest; Printout formats: Standard or Cabrera 3, 4, 6 or 12 channel; additional rhythm formats
Acquisition	Lead selection: I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, V4R; supports Frank X, Y, Z, Cabrera, and Nehb D, A, J; Interpretation (option): Diagnosis, measurements, reason statements; Modes: Automatic, rhythm or manual; Frequency response: Meets or exceeds ANSI/AAMI EC11-1991 standard; Input impedance: Meets or exceeds ANSI/AAMI EC11-1991 standard; Electrode offset tolerance: +/-300 mV; A/D conversion: 10 µV LSB; Artifact filter response: 40 Hz, -3db; Data resolution: 500 samples/second, 5 µV
Environmental specifications	Operating temperature: 50°F to 104°F (10°C to 40°C); Operating relative humidity: 25% to 95%, non-condensing; Operating atmospheric pressure: 700 KPa to 1060 KPa; Storage temperature: -4°F to 131°F (-20°C to 55°C); Storage relative humidity: 25% to 95%, non-condensing; Storage atmospheric pressure: 700 KPa to 1060 KPa
Conforms to standards	EN60601-1:1999 / CSA C22.2 no. 601-1-M90 UL2601-1 EN60601-2-25 / CSA C22.2 no. 601-2-25 EN60601-1-2:1993
Safety	Leakage current: Patient <10 µA, chassis <100 µA; Defibrillation protection: to 5000 V, 400J
Warranty	Contact your sales representative

ORDERING INFORMATION

92300-1AL09	Eclipse 850 non-interpretive ECG*
92300-1BLP09	Eclipse 850 non-interpretive ECG with communications*
92300-1AK09	Eclipse 850 interpretive ECG*
92300-1BKP09	Eclipse 850 interpretive ECG with communications*
008022	Universal cart (with steel casters)
008046	Universal cart (with nylon casters)
704-0102-00	Clear Choice® Lead Adapters
92602-1A	CardioVault™ ECG storage software (without modem)
007704	10-Lead ECG Cable
042079	Ultra II Resting Tab Electrodes

*Optional exercise stress and international configurations available.

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