

Eclipse Plus ECG

Delivers high performance and ease of use in a rugged design

Resting ECG
System

In a busy environment, getting high quality results the first time is critical. Using the Eclipse™ Plus ECG, even novice users can get good quality results every time. The system combines high performance and ease of use in a rugged design that is ideal for the most demanding environments.



System Design Helps Improve Workflow

The Eclipse Plus hospital-grade interpretive electrocardiograph provides simultaneous 12-lead acquisition. The system displays 3, 4, or 6 channels of ECG in automatic mode or manual mode, and 3, 6, or 12 channels during rhythm recording on an easy-to-read, adjustable 12-lead color active matrix display.

The fully integrated system features a full-size alphanumeric keyboard and internal storage of up to 100 ECGs. Mounted on a durable hospital-grade cart with swivel/locking casters, the Eclipse Plus is a reliable and durable electrocardiograph, suitable for busy offices, clinics and hospitals.

Proven Performance and Quality

With a host of unique features, the Eclipse Plus produces superior quality ECGs, saving time and improving patient care.

- Harmonic filter eliminates baseline artifact
- Choice of filter settings reduces muscle artifact and ambient noise
- AccuPrint quality assurance monitor restricts ECG printout when leads are not properly attached or artifact is present
- Pacemaker algorithm accommodates patients with various pacemakers
- Choice of QTc calculation formulas, includes Hodges, Bazett, Framingham and Fridericia
- Compatible with FAA

Superior ECG Analysis and Interpretation

Each Eclipse Plus features the proven Glasgow Royal Infirmary (GRI) algorithm for interpretation, providing a silent second opinion. Unlike other algorithms, which derive results based on age only, the adult and pediatric GRI algorithm, developed in the late 1970s, bases its analysis on five clinically significant criteria: gender, age, race, medication and clinical classification.

Practical Design for Ease of Use

Every feature of the Eclipse Plus streamlines workflow and provides practical, reliable functionality. These time-saving features include:

- 10.4" color active matrix display with 90° tilt/swivel screen
- One-touch STAT ECGs and other keyboard shortcuts
- High resolution thermal printer with 8.5" x 11" Z-fold paper
- Intuitive menu selections and directory storage of up to 100 ECGs
- Operates on AC power or long-life NiCad battery (included)
- PC card slot enables software upgrades at an affordable price
- Compatible with SCP-ECG management systems
- Common user interface with Eclipse 850

Features

- Simultaneous 12-lead acquisition
- 12-lead preview on color active matrix display
- Automatic, manual or rhythm recording modes
- GRI algorithm provides interpretation based on five criteria, including age, gender and race
- Stores up to 100 ECGs
- Full-size, waterproof keyboard and hospital grade cart
- Built-in thermal printer with full size Z-fold paper

BURDICK®

Eclipse Plus ECG

TECHNICAL SPECIFICATIONS

Dimensions	17.125" x 25.625" x 49.5" (435 mm x 651 mm x 1257 mm) includes cart	
Weight	87 lbs. (39.5 kg) includes cart	
Display	640 x 480 active-matrix, color, LCD	
Keyboard	Full alphanumeric keypad	
Input/output	PCMCIA type III memory card interface; Serial RS-232 (9-pin D); Telephone line interface (RJ11C); Analog output (8-pin DIN); Expansion connector (6-pin DIN)	
Data storage	100 patient records	
Power requirements	AC operation: 115/230 V AC \pm 10%, 0.80/0.40 A, 50/60 Hz; Fuses for: 115 V, 1.0 A, 250 V type T; for 230 V, 0.5 A 250 V type T; Battery operation: 16.8 V NiCd rechargeable battery pack; Duration: 80 minutes w/o printing or 40 minutes w/ continuous printing	
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; Printout formats: 3-, 4-, 6- or 12-channel; additional rhythm formats	
Acquisition	Lead selection: I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6; supports Frank X, Y, Z and Nehb D, A, J; 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: 5 μ V LSB; Artifact filter response: 40 Hz, -3 db; Data resolution: 500 samples/second, 5 μ V; Interpretation: Diagnosis, measurements, reason statements	
Environmental specifications	Operating temperature: 50°F to 104°F (10°C to 40°C); Relative humidity: 25% to 95% non-condensing; Atmospheric pressure: 700 kPa to 1060 kPa; Storage Temperature: -4°F to 131°F (-20°C to 55°C); Relative humidity: 25% to 95% non-condensing; Atmospheric pressure: 700 kPa to 1060 kPa	
Conforms to standards	CSA C22.2 no. 601-1-M90 EN 60601-1-2:1993 EN 60601-1:1999	EN 60601-1-25:1999 IEC 601-2-25 / CSA C22.2 no. 601-2-25 UL 2601-1
Safety	Leakage current: Patient <10 μ A, chassis <100 μ A; Defibrillation protection: To 4000 V, 360 J	
Warranty	Contact your sales representative	

ORDERING INFORMATION

92301-1A17 Eclipse Plus interpretive electrocardiograph*

005301 UpTime™ extended warranty and service contract

*Optional remote communications and international versions available.



Integrates with Pyramis® Data Management System

An optional communications package enables integration with the Pyramis Data Management system via modem or direct serial connection. Pyramis provides online storage, retrieval, editing, confirmation and distribution of 12-lead ECGs as well as 12-leads from the bedside, stress and Holter reports. Pyramis centralizes diagnostic cardiology data and enables hospital-wide and remote access from the office or home.

Warranty and Service Offerings Protect Your Investment

With comprehensive warranty and service offerings, your investment is protected from unforeseen service costs. Toll-free technical support is available to answer questions 24 hours per day, seven days per week. Onsite parts and labor are also available. Contact your representative to select a program that meets your needs.

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