

Atria 3000 ECG

The compact, simple-to-use ECG choice for medical professionals

Resting ECG
System

Simple to use, compact and reliable, the Burdick Atria™ 3000 ECG is the ideal choice for the physician's office. The Burdick Atria collects the same high-quality 12-lead ECG tracings as higher priced models at a price that even small practices can afford.



- A variety of printout choices, including 3-, 4-, 6- or 12-lead ECG printouts and 3-, 4-, 6- or 12-lead rhythm printouts, to suit the requirements of your practice.
- Extended life battery allows you to collect up to 30 ECGs between recharges.

Advanced Features Improve Accuracy

- AccuPrint restricts ECG printout when leads are not properly attached.
- STABLE baseline filter decreases the level of artifact by assuring that the ECG baseline is stable with no distortion of ST measurements.
- Pacemaker algorithm accommodates patients with pacemakers.
- Choice of QTc calculation formulas includes Hodges, Bazett, Framingham and Fridericia.
- Beat-to-beat, R-R intervals may be printed out on reports.

Intuitive Operation Saves Time

- Alphanumeric keyboard with intuitive menu selections simplifies operation.
- Backlit LCD screen is easy to read, even in low light situations.
- Easy loading paper saves time.

Upgrade Options To Suit Your Changing Needs

With a variety of upgrade paths, the Atria 3000 ECG will expand and change with growing needs.

- Units purchased without Burdick's powerful interpretation option can be upgraded at any time.
- Systems come with data storage for 40 ECGs.
- Communications upgrade options allow the ECG to communicate by fax, modem and Ethernet as well as wireless, Bluetooth®, 802.11b and IrDA. The communications options also feature plain paper printing interface, e-mail direct from the ECG and the ability to transfer tests to a network share for storage, EMR connectivity, and analysis.

Streamline ECG Collection And Analysis

The lightweight and compact device operates either manually or automatically, printing 3-, 4-, 6- or 12-lead ECG tracings. The combination of a standard QWERTY keyboard and dedicated function keys make the Atria 3000 easy to use.

The Atria 3000 also features advanced functionality, including Burdick's exclusive AccuPrint™ functionality, which restricts ECG printing if lead wires are not attached properly.

Big Functionality In A Small Package

- Automatic or manual operation facilitates STAT operation.
- High resolution thermal printer prints on standard size or A4 paper for easy reading and storage.

Atria[™]
3000

Features

- 3-, 4-, 6-, or 12-lead ECG tracings
- Advanced functionality in a compact package
- Easy to use keyboard and menu driven interface
- Industry-leading warranty and service program
- Optional interpretation software based on proven University of Glasgow algorithm (formerly known as Glasgow Royal Infirmary algorithm)
- Communications options, including both wired and wireless connectivity, provide state-of-the-art methods to distribute and store ECGs.
- Available in five languages: French, German, Portuguese, Spanish and English

BURDICK[®]

Atria 3000 ECG

A Second Opinion That You Can Count On

The Burdick Atria 3000 utilizes the proven University of Glasgow algorithm, for interpretation, providing a silent second opinion. Unlike competitive products, which limit algorithm criteria to age, the University of Glasgow algorithm, developed in the 1970s and continuously updated, 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 are 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 two examples of the many clinical issues that can arise when analyzing without the five criteria.

Warranty and Service Offerings Protect Your Investment

We help protect your investment from unforeseen service costs. The Atria has a 3-year warranty when the warranty card is returned. Technical support is free during the warranty period.

TECHNICAL SPECIFICATIONS

Dimensions	15.0" x 13.125" x 5.5" (381 x 334 x 140 mm)
Weight	11 lbs (5 kg) (including external power supply)
Display	Backlit 2 x 40 character LCD
Keyboard	Full alphanumeric keypad plus designated quick keys
Data storage	40 records standard
Power requirements	AC operation: 115/230 V AC +/-10%, 50/60 Hz at external power source; Battery operation: 14.4 V NiMH rechargeable battery pack; Battery duration: 30 minutes continuous printing or 30 ECGs without communications option
Printout	Printout device: 216 mm thermal dot array; Paper dimensions: 8-1/2 x 11 (US letter) or A4; Paper type: Thermal sensitive (Burdick Assurance® or Heartline™ paper recommended); Chart speeds: 10, 25, 50 mm/sec; Gain: 5, 10, 20 mm/mV Chest or Limb (may be split); 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, V4R; supports Frank X, Y, Z and Nehb D, A, J, and alternate chest lead (chest lead selection V2R thru V9R + V7,V8,V9); Measurement (standard), Interpretation (optional): Diagnosis, measurements and reason statements based on five demographic criteria; Pacemaker display capability: meets or exceeds ANSI/AAMI EC11-1991; 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: 4000 samples/second, 10 µV LSB RTI; Artifact filter response: 40 Hz, -3db; Data resolution: 500 samples/second, 5 µV LSB RTI
Environmental specifications	Operating temperature: 50°F to 104°F (10°C to 50°C); Operating relative humidity: 20% to 90%, noncondensing; Operating atmospheric pressure: 1060 hPa to 700 hPa (-500 ft to 10,000 ft reference to sea level); Storage temperature: -4°F to 115°F (-20°C to 45°C); Storage relative humidity: 10% to 90%, noncondensing; Storage atmospheric pressure: 1060 hPa to 190 hPa (-500 ft to 40,000 ft reference to sea level)
Conforms to standards	ANSI/AAMI EC11-1991 EN 60601-1 CAN/CSA C22.2 no. 0-M91 EN 60601-1-2:2001 CAN/CSA C22.2 no. 601.1S1 UL 2601.1 CAN/CSA C22.2 no. 601.2.25 CISPR11 Class A
Safety	Leakage current: Patient <10 µA, chassis <100 µA; Defibrillation protection: to 5000 V, 360J
Warranty	3 years with return of warranty card

ORDERING INFORMATION

Standard U.S. Configurations

A30-1DKL01	Atria 3000, non-interpretive
A30-1DIL01	Atria 3000, interpretive
A30-1 X X L XX	Atria 3000, English, storage for 40 ECGs
A30-6 X X L XX	Atria 3000, International (includes French, German, Italian, Portuguese, Spanish), storage for 40 ECGs

D	No communications
E	Basic communications, includes serial, USB, Ethernet, analog out and IrDA
F	Communications with fax modem
G	Bluetooth option
H	802.11b option
P	Communications with fax, Bluetooth and 802.11b
Q	Communications with Bluetooth
R	Communications with 802.11b
S	Communications with Bluetooth and 802.11b
I	With interpretation
K	Measurements only
01	Accessory kit 1 (AHA cable, letter, 120v)
02	Accessory kit 2 (IEC cable, A4, 220v)
03	Accessory kit 3 (AHA cable, A4, 220v)
04	Accessory kit 4 (IEC cable, letter, 220v)

Example configuration:

A30-1 D K L 01	
010-1639-00	Atria ECG Cart
716-0237-00	Assurance paper
047029	CardioSens® Ultra II Electrodes

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