

# Atria 6100 ECG

Proven performance meets high-tech design to streamline workflow

Resting ECG  
System



*The Burdick Atria 6100 ECG delivers the highest level of clinical performance while incorporating cutting-edge technology to streamline clinic workflow. It offers timely, high-quality, and accurate ECG results critical for patient care.*

## High Performance

Advanced technology gives you the ultimate in speed and accuracy.

- STABLE baseline filter decreases the level of artifact by assuring that the ECG baseline is stable with no distortion of ST measurements
- Storage from 150 patient records improves workflow for busy practices
- User definable, customizable output allows reporting flexibility
- Interpretive models include pacemaker algorithm
- Choice of QTc calculation formulas, includes Hodges, Bazett, Framingham and Fridericia
- Interpretive models with communications are compatible with FAA requirements

*Atria*<sup>™</sup>  
6100

## Features

- Automatic, manual or 12-lead rhythm operation for maximum flexibility
- Full color preview screen allows viewing of ECG waveforms and fast menu navigation
- Optional, powerful interpretation algorithm based on five clinically significant patient criteria, as well as pediatric analysis and pacemaker enhancement
- AccuPrint™ restricts ECG printout when leads are not attached correctly, ensuring a clear printout and eliminating retakes
- Communications options including both wired Ethernet and wireless 802.11 provide cutting-edge connectivity capabilities

**BURDICK**<sup>®</sup>

# Atria 6100 ECG

## User-friendly Interface

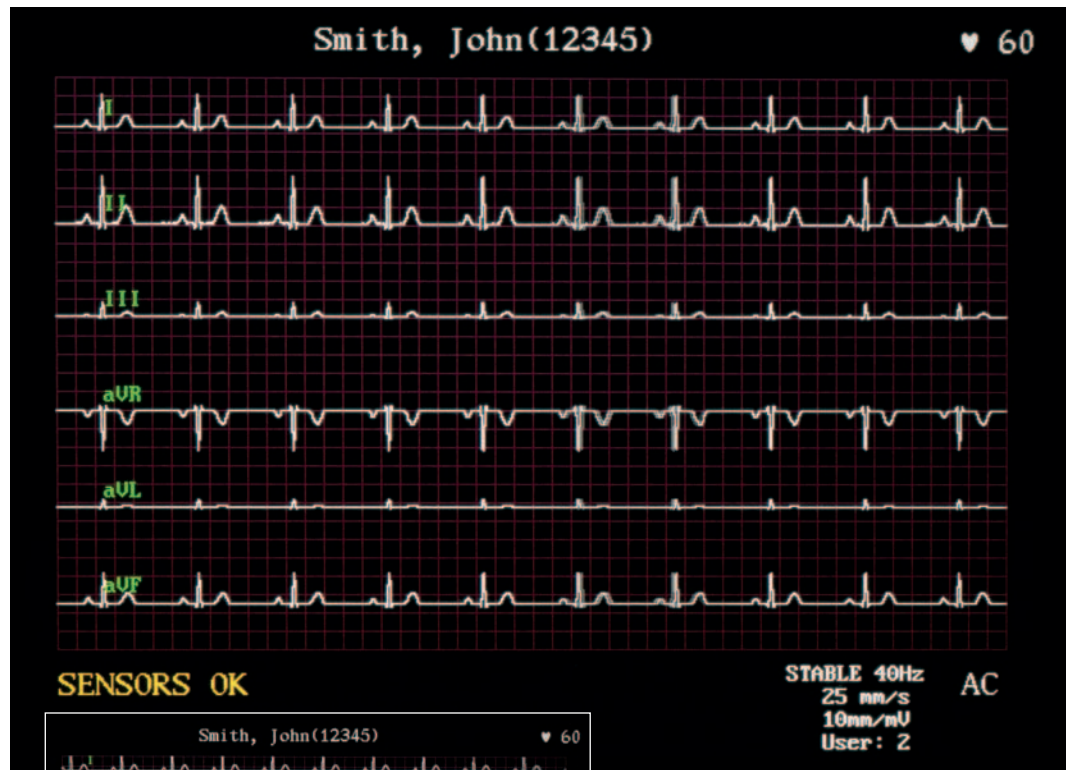
The Atria 6100 user interface is easy to use and learn. Its structure is intuitive even for infrequent or new users.

- Clear, readable color LCD
- Ability to preview waveforms before analyzing
- Ability to continuously monitor patient throughout procedure
- Intuitive menu for fast navigation and quick results
- Single button STAT printing
- Full size alpha-numeric keyboard with dedicated function keys

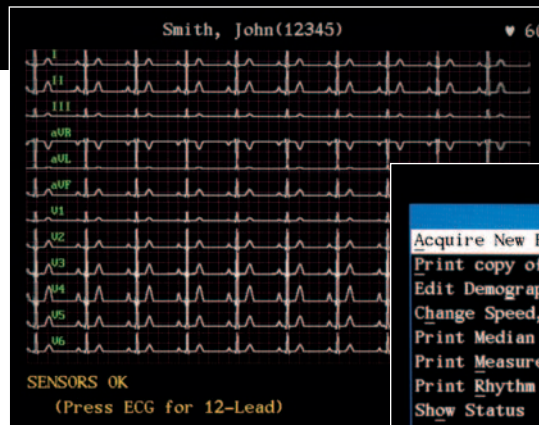
## A Second Opinion That You Can Count On

The Burdick Atria 6100 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, 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.

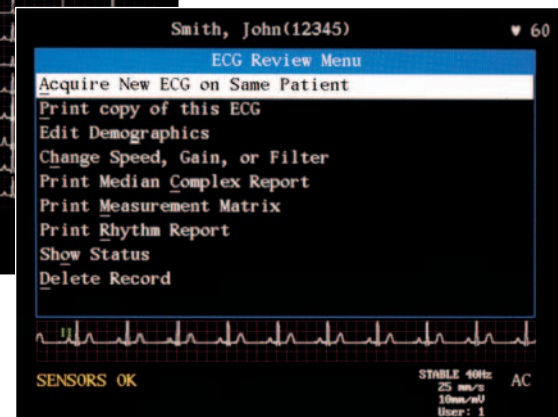
This is critical because ECG results for patients with different demographic profiles and medical conditions can vary greatly. For example, subtle T-wave changes that are considered abnormal for a white male may be considered normal for a black male of the same age. An ECG that would represent LVH in 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.



Large color screen enhances viewing experience. Shown actual size



3, 6 or 12-lead onscreen preview for maximum viewing flexibility



Atria 6100 menu structure maximizes ECG test efficiency

## Upgradability

The Atria 6100 can be easily upgraded at your practice, minimizing the downtime associated with returning the system.

- Add Burdick's proven University of Glasgow algorithm interpretation
- Increase ECG storage from 150 to 300 records
- Extend communications options by adding Ethernet, wireless 802.11, modem, or Bluetooth

# Communications Options

For physicians looking for advanced communications and storage features, but prefer a traditional ECG, Burdick's Atria™ 6100 ECG with advanced communications options combines the best of both worlds

## Flexible Connectivity Options

The Atria 6100 offers cutting-edge communications capabilities, including wired Ethernet and wireless 802.11. Advanced encryption tools ensure the highest level of data transmission security.

## Transmit Test Results to EMRs

Test results can be electronically transmitted from the exam room to your network and imported by EMRs and cardiology management systems. No more scanning and keeping hard copies. Imagine the convenience of attaching an ECG report to the patient's electronic medical record, keeping all information in one file. Burdick ECGs can be interfaced to most EMR systems.

## E-mail Colleagues Test Results

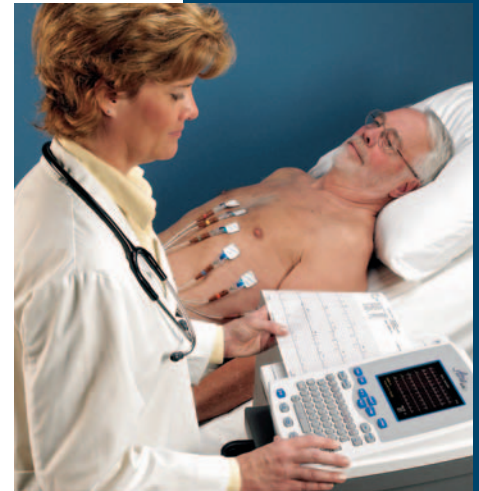
E-mail capability allows you to send test results directly from the Atria in a PDF format to colleagues for collaborative efforts. The industry-accepted diagnostic quality PDF allows any recipient to review results without purchasing proprietary software.

## Print Test Results to Plain-paper Printer

Send results wired or wirelessly from the exam room to a network or standalone plain-paper printer using options 802.11, USB, Bluetooth, or Ethernet. The diagnostic-quality printouts contain all the information found on the traditional thermal paper printouts.

## FAA Compliant

Atria 6100 with advanced communications includes modem transmissions that comply with FAA system requirements for ECG testing.



Basic Communications Upgrade*	Advanced Options*
Ethernet (RJ45)	Fax/Modem (FAA)
USB	Bluetooth wireless
Analog out	802.11 wireless
Standard RS232	

\*Available at additional charge

Store on Network (PDF) or Stand-alone PC  
 Send to EMR (PDF)  
 Plain Paper Print  
 Email (PDF)  
 Send to Pyramis  
 Send to FAA  
 Fax

Wired Connections							
Ethernet (RJ45)	•	•	•	•	•		
USB type A			•				
Standard RS232 (9 pin "D")					•		
Fax/Modem RJ11 telephone line interface Group 3, Class 1 and 2 fax modem protocol					•	•	•
Analog output (3.5" phono plug)							
Wireless Connections							
802.11g Standards – IEEE 802.11g (compatible with 802.11b networks); 64 bit/128bit WEP encryption codes; Data Transfer Rate – 55 mbits/sec.	•	•	•	•	•		
Bluetooth			•				

Specifications are subject to change without notice.

# Atria 6100 ECG

## 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	Color LCD; 640 x 480
Keyboard	Full alphanumeric keypad plus designated quick keys
Data storage	150 records standard; Upgrade to 300
Network connection	Wired: 10/100 MBPS Ethernet via RJ45; Wireless: 802.11g (compatible with 802.11b networks)
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: 300 pages continuous printing 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: 12.5, 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 Cabrera 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; Meets IEC 60601-2-51; 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: 8,000 samples/second, 2.5 µV LSB RTI; Artifact filter response: 40 Hz, -3db; Data storage resolution: 500 samples/second, 2.5 µV LSB RTI
Environmental specifications	Operating temperature: 50°F to 104°F (10°C to 40°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 60601-1-2:2001 CAN/CSA C22.2 no. 0-M91 EN 60601-1-2:2001 CAN/CSA C22.2 no. 601.1S1 UL 60601-1 CAN/CSA C22.2 no. 601.2.25, Amend. 1 EN 60601-2-51:2003 CAN/USA C22.2 no. 601.1-M90 EN 60601-1-4:2000
Safety	Leakage current: Patient <10 µA, chassis <100 µA; Defibrillation protection: to 5000 V, 360J
Warranty	3 years with return of warranty card

## Warranty and Service Offerings Protect Your Investment

With warranty and service offerings Burdick helps protect your investment from unforeseen service costs. The Atria 6100 has a 3-year warranty when the warranty card is returned.

## ORDERING INFORMATION

### Standard Configuration

**A61-1DI01 6100, interpretive, English, AHA accessories**

### A61-1 X X XX

D	No communications
E	Basic communications, includes Ethernet, serial, USB, analog out
F	Basic communications with fax modem
H	Basic communications with fax modem and 802.11g
R	Basic communications with 802.11g
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:

**A61-1 D I 01**

**040-1500-00 Upgrade Kit, storage 300**

**040-1501-00 Upgrade Kit, Bluetooth**

**716-0237-00 Assurance paper**

**047029 CardioSens Ultra II Electrodes**

**012-0844-00 Patient Cable, AHA, 10 non-replaceable leads**

**007704 Patient Cable, AHA, 10 replaceable leads**

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