

The BURDICK® Atria® 3100 ECG

The ECG that connects to your EMR and covers the basics

Primary Users

Physician offices

Primary Benefits

Ease of use. The standard keyboard, dedicated functions keys, and intuitive menu make it easy to use.

Connectivity. Comes with Ethernet connectivity as a standard feature. It's compatible with wireless 802.11 and Bluetooth, complies with FAA requirements, and has bi-directional communication with our HeartCentrix® connectivity solution.

Convenience. The streamlined lightweight unit fits into your office space and stores 50 ECGs.

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

Efficiency. The AccuPrint™ feature restricts ECG printing if lead wires are not properly attached, ensuring a clear printout and eliminating retakes.

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

Confidence. Opt for the Glasgow algorithm (GRI) to consider clinically significant criteria (gender, age, race, medication, and classification) to interpret patient data. (Ours improves on the basic GRI and provides brief and full interpretation statements.)

Longevity. This durable unit is covered by an industry-leading warranty and service program for worry-free usage.



Superior performance in a small package

The Atria 3100 is compact yet powerful. Our technology assures high quality and accuracy while giving protocol choices, helping eliminate transcription errors, and improving workflow.

- + Reduce typing mistakes and save time by downloading patient information from your electronic medical record (EMR) system.
- + Quickly review test results – reports can be viewed, edited, and confirmed right from the patient's chart.
- + Choose to print beat-to-beat R-R intervals on reports.
- + Eliminate the hassle of scanning and filing hard copies by transmitting test results directly to your EMR system.

In short, the Atria 3100 makes your work life easier while delivering reliable performance. This might be a good time to transition to a device that does so much for you.

Interpretation and connectivity options

The Atria 3100 can expand and change to accommodate your office needs – upgrade the device at any time, at your convenience.

- + Add the University of Glasgow interpretation algorithm. It considers many clinically significant variables – including gender, age, race, medication, and classification – to interpret patient data.
- + Choose the pediatric analysis tool to calculate interpretations down to a one-day-old infant.
- + Cutting-edge communication tools available: Ethernet is included on all units, wireless 802.11 and Bluetooth also available.
- + Connect with HeartCentrix for bi-directional communications – download patient demographics and orders, perform tests, and upload test results to your EMR.

HeartCentrix – an exceptional connectivity solution

When you need to move ECG data into an EMR, HeartCentrix 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 and upload test results back to the EMR.



The BURDICK® Atria® 3100 ECG

TECHNICAL SPECIFICATIONS	
DATA STORAGE	50 records
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, 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	115/230 V AC +/-10%, 50/60 Hz at external power source 14.4 V NiMH rechargeable battery pack 300 pages continuous printing without communications enabled
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, measurements and reason statements based on five demo graphic criteria Meets or exceeds ANSI/AAMI EC11-1991 Automatic, rhythm or manual Meets or exceeds ANSI/AAMI EC11-1991 standard Meets or exceeds ANSI/AAMI EC11-1991 standard +/- 300 mV 8,000 samples/second, 2.5 μ V LSB RTI 40 Hz, -3db 500 samples/second, 2.5 μ V LSB RTI
SAFETY	Leakage current: Patient <10 μ A, chassis <100 μ A; Defibrillation protection: to 5000 V, 360J
SAFETY STANDARDS	ANSI/AAMI EC11-1991 UL 60601-1 CAN/CSA C22.2 no. 0-M91 EN 60601 CAN/CSA C22.2 no. 601.1S1 EN 60601-1-2:2001 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
DISPLAY	Backlit 2 x 40 character LCD
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 90%, non-condensing 1060 hPa to 700 hPa (-500 ft to 10,000 ft reference to sea level) -4°F to 115°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	3 years with return of warranty card

ORDERING INFORMATION

STANDARD CONFIGURATION	
A31-1 E I 01	3100, interpretive, English, AHA accessories

CUSTOMIZED CONFIGURATION	
A31-1 X XX	

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 (adult, pediatric, pacemaker)
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)

ACCESSORIES AND UPGRADES

040-1501-00	Upgrade kit, Bluetooth
040-1505-00	Interpretation option
040-1533-00	802.11g upgrade
716-0237-00	Burdick® Assurance® paper
047029	CardioSens® Ultra II electrodes
012-0844-00	Patient cable, AHA, 10 non-replaceable leads
007704	Patient cable, AHA, 10 replaceable leads
010-1639-01	Standard duty Atria cart
010-1728-00	Heavy duty Atria cart

Warranty and service offerings protect your investment

With warranty and service offerings we help protect your investment from unforeseen service costs. The Atria 3100 has a 3-year warranty when the warranty card is returned.

Cardiac Science Corporation • 3303 Monte Villa Parkway, Bothell, WA 98021 USA • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • care@cardiacscience.com

Orders and Customer Care (US and International) • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • care@cardiacscience.com

Technical Support • (US) Fax: 425.402.2022 • technicalsupport@cardiacscience.com • http://websupport.cardiacscience.com/webchat/ • (International) internationalservice@cardiacscience.com


Cardiac Science International A/S • Kirke Vaerloesvej 14, DK-3500 Vaerloese, Denmark • +45.4438.0500 • Fax: +45.4438.0501 • international@cardiacscience.com

United Kingdom • The Manse, 39 Northenden Road, Sale, Manchester, M33 2DH, United Kingdom • +44.161.926.0000 • uk@cardiacscience.com

France • Parc de la Duranne, 565 Rue René Descartes, 13857 Aix en Provence cedex 3, France • +33.4.88.19.92.92 • france@cardiacscience.com

Central Europe (D, A, CH) • Oskar-Schindler-Strasse 3, D-50769 Köln, Germany • +49.221.33734.300 • centraleurope@cardiacscience.com

China • 6/F South Building, 829, Yi Shan Road, Shanghai 200233, China • +86.21.6495.9121 • china@cardiacscience.com

 Cardiac Science, the Shielded Heart logo, Quinton, TripleFlex, and Ultradrive are trademarks of Cardiac Science Corporation.
Copyright © 2010 Cardiac Science Corporation. All Rights Reserved. MKT-12200-01 rD
0086 Authorized EU representative • MDSS GmbH, Schiffgraben 41, D-30175 Hannover, Germany

