

# The Cardiac Science™ CareCenter MD™

The multimodality PC-based diagnostic workstation designed for today's physicians

## Primary Users

Primary Care Physicians

Cardiology Practices

## Primary Benefits

*Multimodality, scalable workstation.* One platform for both ECG and Stress testing means no re-entry of patient data, plus scalability for new modalities as they become available.

*Convenience.* Wireless data acquisition means safety, comfort, and confidence for your patients and staff.

*Ease of use.* Our modern, flexible user interface uses the same simple, one-button navigation for all modalities.

*Advanced networking.* CareCenter MD OfficeNet provides access to complete test data across the network; CareCenter MD Online allows for remote live consultations – only from Cardiac Science.

*Shared patient database.* A single, shared patient database means results are available throughout your network, with or without an electronic medical records system (EMR).

*Flexibility.* Modify and save screen views on the fly. Select the report format that works best for you.

*EMR connectivity.* Save, review, and combine permanent patient records in your EMR via HeartCentrix or HL7.

*Confidence.* Physicians trust the Burdick® and Quinton® product lines with more than 65,000 devices delivering proven performance in many clinical environments.



*CareCenter MD from Cardiac Science, the recognized industry leader, delivers a comprehensive and cutting-edge ECG and Stress solution through a PC-based diagnostic workstation. Enjoy the connectivity and ease of use that today's physicians' practices need.*

## CareCenter MD, today's PC-based, wireless diagnostic workstation

- + One PC-based diagnostic workstation for ECG, Stress, and future modalities means just one simple system to learn and no redundant data entry.
- + Optional Bluetooth wireless data acquisition eliminates clumsy wires and allows patients and equipment to be placed where you want.
- + Multiple Bluetooth® acquisition devices can be paired with a single PC, and multiple PCs can pair with a single device.

## Advanced networking capabilities

- + CareCenter MD OfficeNet™ provides multi-station networking to a single shared database. Access patient data from any CareCenter MD workstation in your office or across multiple offices.
- + CareCenter MD Online™ provides physicians with remote access to live tests. Give or receive immediate patient consults with built-in instant messaging.
- + Connects to the leading electronic medical record systems (EMRs) via HeartCentrix® or HL7, so you can save, review, and combine permanent patient records.

## Easy to use and accurate

- + Easy-to-read layout with a full display of key patient and test data.
- + One-button navigation for all modalities simplifies workflow.
- + Fast access to advanced display and analysis tools with just the click of a mouse.
- + Sophisticated analysis software extensively tested against a variety of industry standard databases for optimum performance.
- + Flexible configuration options let you select the screen views and reports that work best for you.
- + Unique at-a-glance indication of electrode contact quality verifies patient hookup prior to testing.



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## TECHNICAL SPECIFICATIONS

<b>PC MINIMUM SPECS</b> CPU Memory Hard disk  Drive USB ports  RS-232 serial port LPT (parallel) port Display  Network  Operating systems  Bluetooth adapter	Intel compatible processor 2 GHz RAM 1 GB (2 GB for server) > 10 GB of available space (100 GB for server to accommodate database) CD or DVD drive 6 x USB 2.0 (USB acquisition device or BT adapter, treadmill, QRS Sync, license dongle(s), keyboard, mouse). An optional USB 2.0 hub can be used for the keyboard, mouse, and license dongles. For ergometer, treadmill, or ABP unit For USB blood pressure sync Resolution 1024 x 768 (minimum) 1280 x 1024, 24 bit or better (recommended) Network interface card 10Mb/s min, 1000Mb/s recommended Windows XP Pro SP2, Vista Pro, Windows 7 Pro, Server 2003, Server 2008 Windows Bluetooth emulator from Microsoft (recommended) or Widcomm Bluetooth Stack 4.x - 5.5, Bluetooth adapter from Cardiac Science (not compatible with MS Server 2003 or 2008 OS)	<b>BLUETOOTH WIRELESS ACQUISITION DEVICE</b> PC interface Power supply  QRS trigger output Size  Weight	Bluetooth class 1 or class 2 2 AA alkaline 1.5 V or NiMH rechargeable batteries (2500 mAh, external charge) Operating time: 10 hours continuous data transmission at full charge Via separate radio transmitter (915 MHz) 110 mm x 65 mm x 28 mm (4.3 in x 2.5 in x 1.1 in) 160 g (5.64 oz) with batteries
<b>TECHNICAL DATA</b> Dynamic range Sample rate  Resolution Common mode rejection Frequency range Pacemaker detection  Input impedance Electrode check Input protection  Patient cable connection  Applied part Standards	± 316 mV DC 8000 Hz [125 µs] for each of the 10 electrode channels 2.576 µV / LSB, 18 bit ≥ 120 dB 0.05 Hz - 150 Hz Digital monitoring of all electrodes. Amplitude ≥ 2 mV, Duration ≥ 200 µs, Edge times ≤ 100 µs > 50 MΩ Frequency analysis and impedance measurement Against defibrillator shock and RF surgery pulses 15-Pin D-Sub for 10-lead patient cable, AHA or IEC color code, pinch (Stress), and banana plug with clip (ECG) Type CF DIN EN 60601-1; DIN EN 60601-1-2; DIN EN 60601-2-25; DIN EN 60601-2-51;	<b>USB ACQUISITION DEVICE</b> PC connection Power supply QRS trigger output Size  Weight	USB 2.0 (5 meter USB cable) Powered via USB connection Via LPT and serial port of the PC 95 mm x 64 mm x 28 mm (3.7 in x 2.5 in x 1.1 in) 90 g (3.17 oz)
		<b>ENVIRONMENTAL (ACQUISITION DEVICES)</b> Operating Transportation Storage	Temp +5 °C to +40 °C, relative humidity 5% to 85%, non-condensing Temp: -25 °C to +70 °C, relative humidity <95%, non-condensing Temp: -5 °C to +45 °C, relative humidity 5% to 95%, non-condensing
		<b>CONFIGURATIONS</b> CCMD-RUA1A CCMD-RBA1A CCMD-SUA1A CCMD-SBA1A CCMDTSUA1A  CCMDTSBA1A	Resting ECG, USB, AHA, CareCenter MD Resting ECG, BT, AHA, CareCenter MD Stress-Resting ECG, USB, AHA, CareCenter MD Stress-Resting ECG, BT, AHA, CareCenter MD Stress-Resting ECG, USB, AHA, CareCenter MD, TM55 Stress-Resting ECG, BT, AHA, CareCenter MD, TM55
		<b>WARRANTY</b> Acquisition modules Cables and accessories Software updates	1 year 90 days Free of charge

Note: For detailed technical specs, please refer to the CareCenter MD™ Product Information and Safety manual, P/N 70-00663-01 and the CareCenter MD™ User Guide, 70-00531-01.

### Protect your investment.

Extend your warranty with a Q-Care™ service contract. Ask your sales representative for details.

(Available only in the U.S.A.)

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