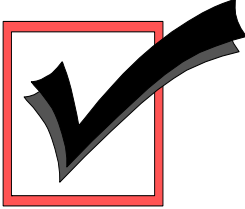




November 2004



Braemar Tech Note # 0001

Subject— Removable Compact Flash Card Recording Performance...
Not All Compact Flash Memory Cards are created equal...and recording
performance will vary significantly from brand to brand.

The objective of this Technical Note is focused on achieving optimal ECG recordings with the DL800 Braemar Digital Holter Recorder designed for recording ECG with Removable Compact Flash Memory Cards.

Discussion— The key point is to understand the wide quality range of compact flash memory cards that are built and marketed by different manufacturers.

Compact Flash memory suppliers market several grades of memory from military and industrial grades to consumer grades commonly used in digital camera, and popular consumer electronics. It is generally unknown how widely quality varies among various grades and brands regarding excessively high power consumption, and susceptibility to defective memory sectors on the card.

It should be noted that compact flash card suppliers constantly change designs of chip sets effectively changing performance of the card without notice and regard to performance implications.

Braemar takes considerable time to test and specify only the highest quality levels and highest quality brands of compact flash memory to optimize ECG recording performance and quality. All approved memory cards have a Braemar label on them.

Recommendations-

Use only Braemar certified compact flash memory cards in the DL800 digital recorder to achieve optimized recording and quality performance. Certified compact flash memory cards are Braemar labeled and shipped with each Braemar recorder. They are also available from Braemar as accessory items.

Please refer to the Braemar User Manual for more information on using Braemar certified labeled Compact Flash Memory in the DL 800 recorders.

Should it become necessary to use other than Braemar labeled cards, only the highest quality supplier and military grade is recommended for use in Braemar Holter devices for maximum recording quality. Also, Braemar recommends a minimum test run of 24 to 48 hours test procedures. Use the Braemar development tools including ODK tools, ECG Studio, or your analysis software to review current draw and recording performance.

Please contact Braemar Technical Services at 952-890-5135 if you have any questions or require more information; or Braemar Sales and Customer service at 1-800-328-2719 X123. Technical support is also available via the web at www.braemarinc.com