

TRIONYX ELECTRONICS, INC.

MEMORY TEST for the HEATHKIT H8* COMPUTER

TRY THIS MEMORY TEST

This is a significant test of memory capability. Inability to perform this simple test will restrict the application of your computer in several important areas. Trionyx Electronics, Inc. and other manufacturers are developing a number of new products for the H8* computer and it is important that they be supported by properly working memory.

- 1) Boot HDOS - Get System Prompt.
- 2) Reset the Computer. Simultaneously depress the 0 and RST keys on the H8 front panel. Hold for 10 to 15 seconds.

The CPU board must remain reset throughout this period. This simulates a HOLD command on the computer bus.

- 3) Load the Program Counter (PC Register) with 040 100 (warm boot).
- 4) Push GO. The system should automatically return to HDOS.

Any well designed computer memory will pass this test. Both Heath and Trionyx memory boards for the H8 computer will pass this test using the Heath 8080A CPU board.

* H8 is a registered trademark of the Heath Company

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The M-H8 64K memory board by Trionyx Electronics, Inc. is the only dynamic memory board available for the Heathkit H8* computer which has stand alone refresh. This independent refresh mode enables the memory to retain data when the computer is reset or when the CPU is disconnected from the bus when the bus HOLD signal is asserted.

The HOLD signal is used to transfer control of the computer bus from the CPU to another device. This is a common practice in commercial systems and provision to do this in the H8 computer is a part of the original design by the Heath Company. Most dynamic memories for commercial computers require stand alone refresh and this will be a requirement for the H8 computer as it is upgraded to more advanced levels.

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