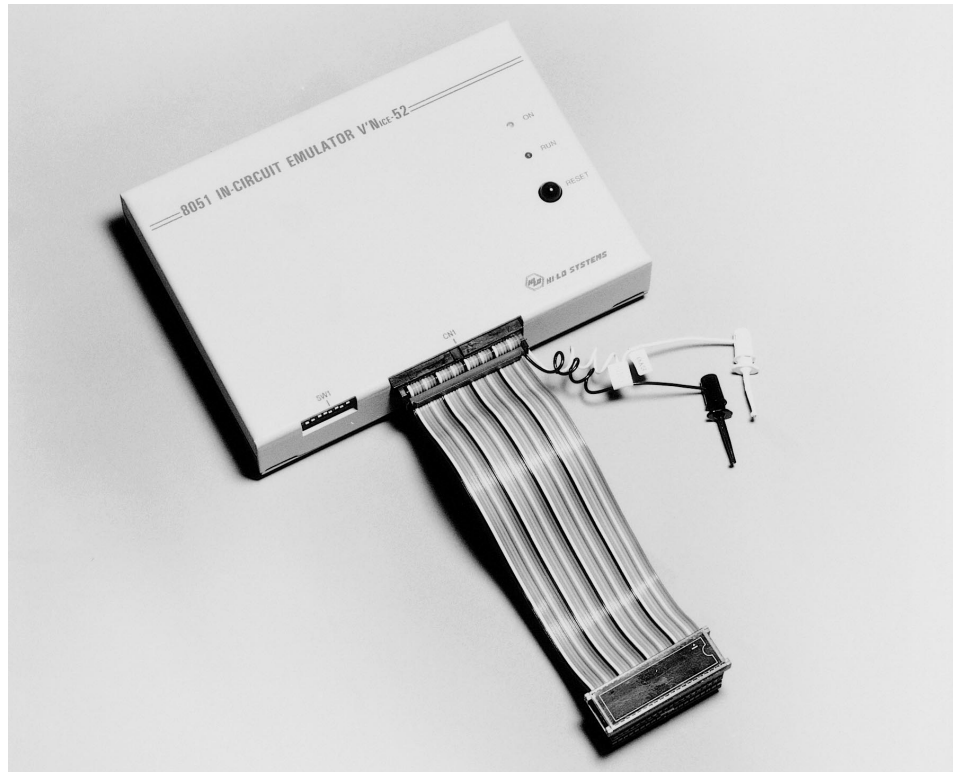# V'NICE-52 In-Circuit Emulator

- Supports Keil/Franklin/IAR/2500AD C Compilers
- 128K Emulation Memory is Standard
- Emulate Internal and External Memory
- Full Support of Local Variables
- Single Step, Go Slow
- Step Over Calls
- Run Until Break Point
- Works Without Target Hardware
- Real-Time Emulation Up to 16 MHz

V'NICE-52 In-Circuit Emulators fully emulate Intel 80(C)31/32 and 8x(C)51/52 microcontrollers. The V'NICE-52 comes standard with 64K code memory and 64K data memory. To support the flexibility of the Intel 8xC51/31 architecture the V'NICE-52 emulates internal, external, or combined internal/external program memory and data memory configurations. The V'NICE-52 provides full access to all 4 I/O ports, all interrupts, all SFR, and all DATA and code memory spaces of Intel 8xC51/31 CPU. Any bit or byte address can easily be viewed and edited with the integrated E52 debugger.

The E52 debugger lets you take advantage of many software support tool providers including 2500AD, Archimedes, Avocet, Franklin, IAR, Keil, and others. The debugger interface is simple and straight forward. All common commands are displayed on the screen and are controlled by the keyboard function keys. When commands are highlighted from pull down menu's a description of the command is displayed on the bottom of the screen for easy reference. The E52 debugger gives you complete control over the V'NICE-52 emulator and your target operation. Operations include single step, go slow, single step but execute subroutine calls in real time, go in real time until a breakpoint is reached, and run in real time. Status windows show the program flow, SFR registers, and the internal and exter-

nal data memory spaces. There is also a watch window available to monitor C level variables in a user specified format (including support for local variables). Up to 10 breakpoints can be specified. Breakpoint conditions can include an address or address range in combination with the fetch, read, or write status and an external signal clip.

Debugging of Intel 8xC51/31 systems with the V'NICE-52 can be started almost right out of the box and mastered in minutes to make 8xC51/31 development simple and efficient.

MICROCONTROLLERS SUPPORTED:
8x3x, 8xC5x, 8x5x

DEVELOPMENT PLATFORMS:
PC (Non-Windows)

AVAILABILITY:
Now

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