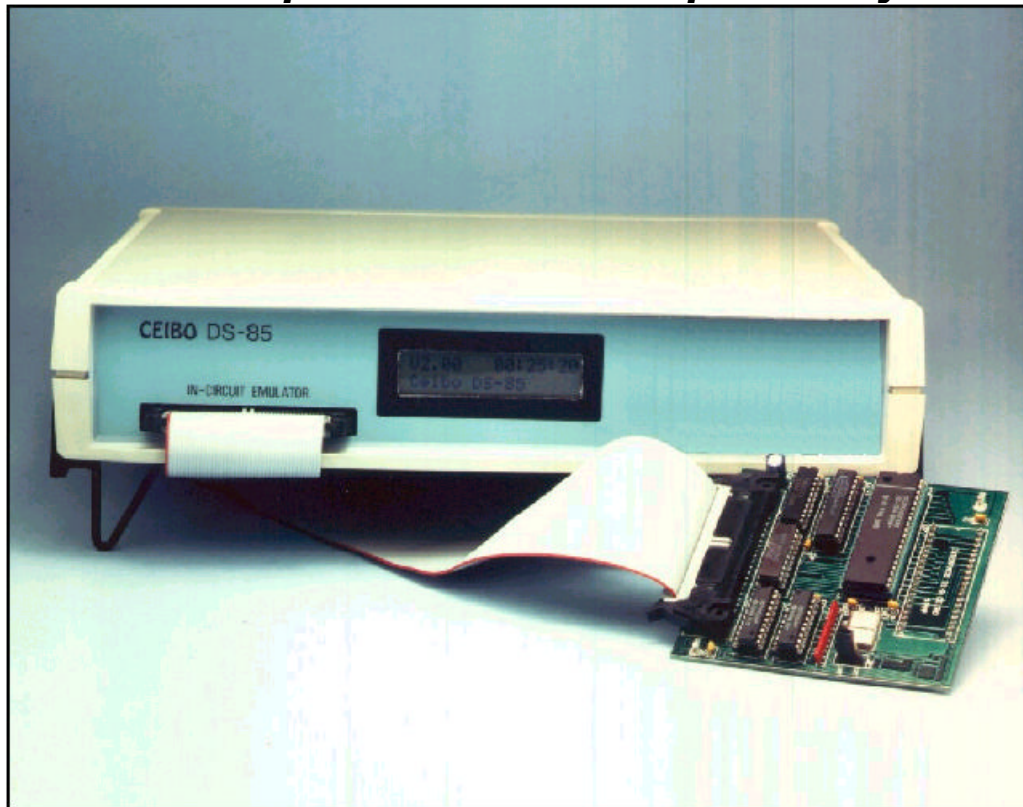


## ***DS-85 Microprocessor Development System***



*Development System for 8085 Microprocessors*

### **FEATURES**

- **Real-Time and Transparent In-Circuit Emulator**
- **Symbolic Debugger compatible with Intel Object Files**
- **64K Hardware Breakpoints**
- **64K of Internal Memory**
- **32K x 32 Bit Trace Memory and Logic Analyzer with External Probes**
- **Serially linked to IBM PC or Compatible Hosts**
- **On-line Assembler and Disassembler**
- **Source and Listing Windows**

## **DESCRIPTION**

DS-85 is a real-time, high performance microcomputer development system dedicated to the 8085 microprocessor. It provides an easy to use and flexible instrument which reduces the development and debugging cycle and enables the user to solve hardware and software problems quickly and efficiently. It operated with an IBM PC or compatible computer and carries out complete real-time and transparent emulation of the target CPU.

## **SPECIFICATIONS**

### **EMULATOR MEMORY**

DS-85 provides 64 KBytes of data and code memory with software mapping capabilities.

### **BREAKPOINTS**

Up to 65,536 hardware breakpoints allow real-time program execution until an opcode is executed at a specified address.

### **SYMBOLIC DEBUGGER**

DS-85 allows symbolic debugging of assembler or high-level languages. The symbolic debugger uses symbols contained in the absolute file generated by the Intel's linker and locator programs.

### **PERSONALITY PROBES**

A personality probe is available to support all versions of the 8085 microprocessor.

### **CRYSTAL FREQUENCY**

The user may select the rated frequency from the emulator crystal or from any external clock source.

### **COMMAND SET**

BREAKPOINTS [enable, disable, reset] - GO [from, till, forever] - HALT - STEP [n, from] -LOAD [file, nocode, nosymbols] - SAVE - RESET - MAP [internal, external] - SYMBOLS -MEMORY - REGISTER - TRACE - EVALUATE - ASM - DASM - LIST [file] - HELP - DIR -CLS - TIME - EPROM [read, write, blank-check, type].

### **HOST CHARACTERISTICS**

IBM PC or compatible systems with 512 KBytes of RAM, one floppy disk drive, one RS-232C interface card for the PC and cable, PC-DOS 2.0 or later.

### **INPUT POWER**

85VDC to 265VAC, 50Hz to 60Hz.

### **MECHANICAL DIMENSIONS**

288mm x 307mm x 56mm.

### **ITEMS SUPPLIED AS STANDARD**

In-circuit emulator with 64 KByte breakpoints, 64 KByte internal data and code memory. Personality probe for all versions of 8085 microprocessors. User software including Symbolic Debugger, On-line Assembler and Disassembler. User's Manual and Operating Instructions.

### **OPTIONS**

RS-232 Interface Cable  
Trace and Logic Analyzer Module.

### **WARRANTY**

Two years limited warranty, parts and labor.

### **DS-85 - ORDERING INFORMATION**

<i><b>Item</b></i>	<i><b>Description</b></i>
<b>DS-85</b>	Emulator, Software, Power Supply, Cables, User's Manual.