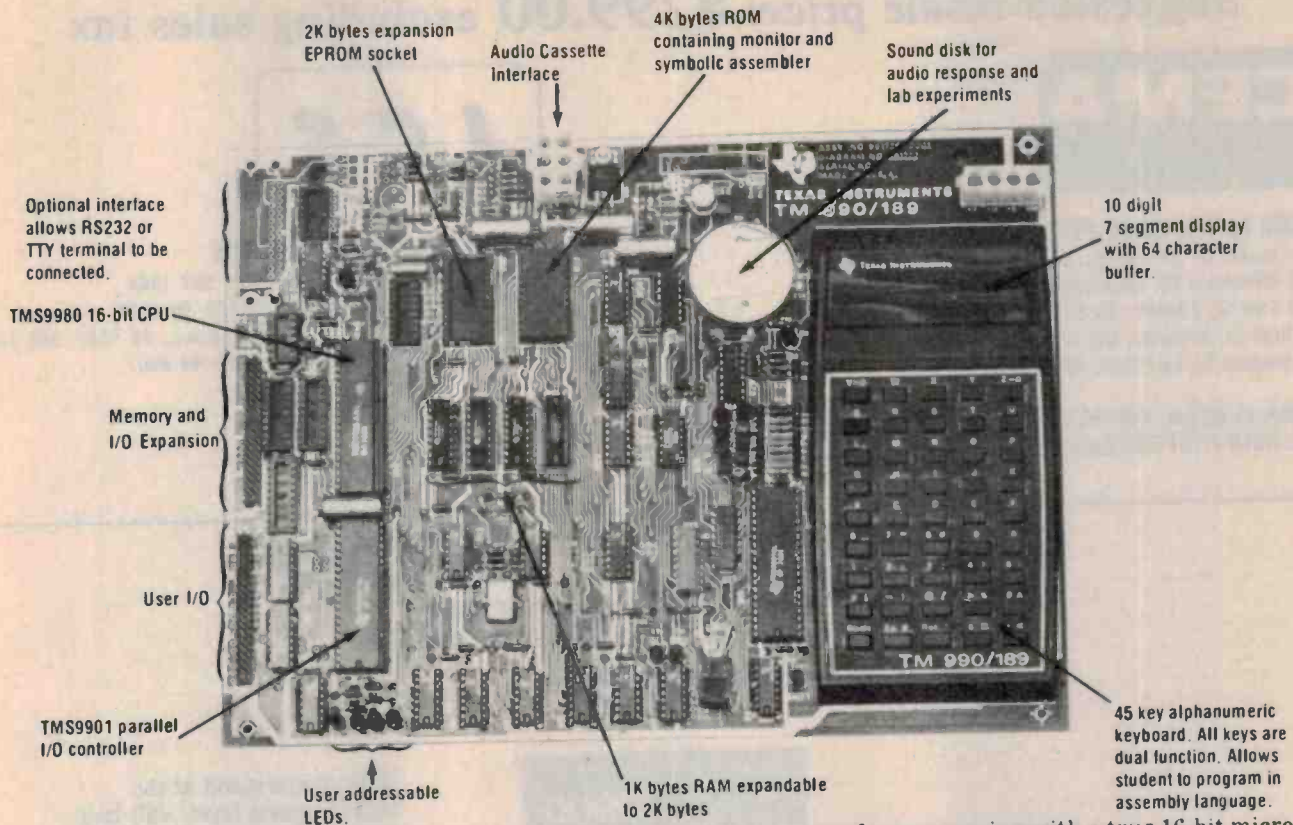


TM990/189



The TM990 University Module is a complete learning aid that, in conjunction with the Tutorial Text, offers hands-on experience with microprocessors, I/O, memory, and *assembly language programming*.

This powerful learning tool offers advanced features such as an alphanumeric keyboard that does away with the drudgery of programming in hexadecimal. With the TM990/189 the programming is done in meaningful assembly language.

The microprocessor on the University Module offers a powerful instruction set. Multiply and divide, vectored interrupts, single bit I/O manipulation, parallel I/O, and seven addressing modes, point out just a few of the

advantages of programming with a true 16-bit microprocessor and, also, the ease of learning and applying microprocessors.

Software development aids include a monitor and symbolic assembler which are contained in Read Only Memory and reside on the University Module. These aids help with both the writing and debugging of programs.

The student may connect* an inexpensive Audio Cassette to the University Module, if desired, for off-board program storage. The on-board RAM may be used for checking out a program and, after verification, the finished program may be put into EPROM, using a programmer, and plugged into the EPROM socket.

*Optional extra parts required

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