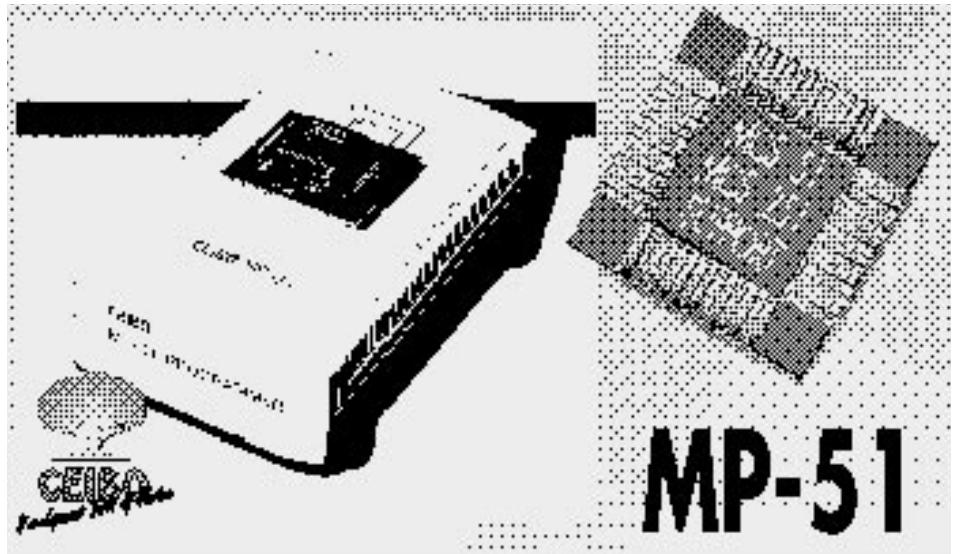


CEIBO MP-51 Programmer

- Programs Intel MCS® 51 and MCS 251 Microcontrollers
- Programs Intel 32-Pin Flash Memories
- Supports 24 to 32 Pin EPROMs
- Programs PLDs and Other Devices
- Programs DIP, QFP, LCC and PLCC Packages
- Handles HEX, Binary, Object and JEDEC Files
- Supports Lock Bits, Encryption Tables and Security Bits
- Macros and Easy to Follow Menus
- Serial Link to PC or Compatible
- Free Software Updates

CEIBO MP51 is an EPROM, Flash, PLD and Intel MCS® 51 and MCS 251 microcontroller programmer. This high performance instrument is user friendly and conveniently sized. MP-51 operates serially linked to a PC or compatible and carries out a set of powerful functions on the selected Intel device. The unit consists of the instrument itself and many adapters to handle the various available package types. MP-51 software uses a PC memory buffer where code is loaded from a disk or filled with the contents read from another device. The buffer may be saved on a disk file, parts of the buffer may be moved from one location to another, filled with a constant or modified by the user. The memory buffer can be displayed to find values or strings MP-51 loads different file formats: Intel Hex and Binary files, Object files and JEDEC files. It saves portions of memory in Intel, Binary and JEDEC formats.

Prior to programming a device, MP-51 checks that the installed adapter is correct for the selected device, checks that the device is totally erased, and runs a comparison test to ensure the contents of the device match those in the memory buffer. Address range may be specified for both operations. MP-51 allows the Intel microcontrollers security capabilities to be enabled or disabled, handles Lock Bits 1,



2 & 3, and the Encryption Table available in Intel 80C51 and 80C251 microcontrollers. MP-51 commands are organized in pull-down menus and windows. This software is powerful yet extremely user friendly. The available functions include: Type, Blank Check, Security, Program, Load, Save, Read, View, Compare, Checksum, File, Move, Modify, Directory, Text File, Dump, Quit. Items supplied as standard are: MP-51 programmer, user's manual, RS-232 cable and any standard adapters. The built in power supply is suitable for any country outlet. CEIBO products have a two-year warranty and free lifetime software updates.

MICROCONTROLLERS SUPPORTED:

87C5x, 87L5x, 87C51Gx, 87C5xFx, 87L51Fx, 87C251Sx

DEVELOPMENT PLATFORMS:
IBM PC or Compatible with one RS-232 Port

AVAILABILITY:
Now

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For international contacts, see Appendix B.

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