

SUPERPRO[®] 3000U

USB Interfaced Ultra-high Speed Stand-Alone Universal Device Programmer

- ✓ Programs and Verify 32Mb Flash Memories Within 13 Sec.
- ✓ Up to 100 Pins Universal Pin-drivers
- ✓ Supports 46,000+ Devices including 1.5V devices
- ✓ High Programming Quality
- ✓ PC Hosted (USB) and Stand-alone Dual Modes in One Unit
- ✓ Powerful and Intelligent software



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SUPERPRO[®] 3000U

USB Interfaces Multi-application High-speed Universal Device Programmer

FEATURES

◆ Fastest programmer in the West (and East)

Programs high-density Flash memory devices at near theoretical minimum programming times (Programs and Verify Intel 28F320W18, 32Mb, in 13 Sec.)

◆ Universal pindrivers up to 100 pins

- * Standard universal 48 pindrivers support devices down to 1.5 volts.
- * 100 pindriver expander module (option), PEP3000, allows for programming of devices with up to 100 pins.
- * Universal pindriver architecture up to 100 pins makes it easy to develop device algorithms and to locate socket adapters.

◆ Advanced hardware features

- * Advanced hardware design minimizes ground bounce noise enabling programming of low voltage, down to 1.5 volts, devices reliably.
- * Only IC manufacturer approved programming algorithms are used for high reliability
- * $\pm 5\%$ and $\pm 10\%$ Vcc verification enhances programming reliability

◆ Support 46,000+ devices from 198 manufacturers including MEMORY, MCU and PLD.

- * Free software updates via Internet. New device updates released monthly

◆ Designed for multi-applications, three modes of operation are supported.

- * Standard PC hosted operation for R&D and Engineering.
- * Stand-alone operation for manufacturing or service. Built-in keyboard and LCD display provides for local operation.
- * Terminal mode to operate via an external instrument such as IC handler, terminal or controller.

◆ Pin continuity and wrong chip insertion check prevent chips from accidental damage.

◆ Over-current and over-voltage protection for safety of the chip and programmer hardware.

◆ WINDOWS 98/ME/NT/2000/XP and VISTA compatibility.

◆ New user-friendly and powerful software with many new functions.

- * **Project** function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into **one touch step**.
- * **History** of device selection and file loading simplifies user operation.
- * **Batch** command combines device operations like program, verify, security into single command at any sequence.
- * **Auto Start Batch** command begins to program a chip automatically as soon as the chip is inserted.
- * **Serial numbers** can be generated and programmed onto a chip.

◆ Clustering of programmer provides for flexible and easy way for volume production programming. Several units work together in stand-alone mode to provide an environment for volume programming. Advantages over traditional gang programming are:

- * **Flexible and expandable** Start with one unit and add more units as the need arises.
- * **Less downtime** in case of a failure of a unit, other units continue to operate
- * **Concurrent programming** Each chip begins to program as soon as a chip is inserted into a socket.
- * **46,000+ devices supported** Devices updates are quick and easy.

SPECIFICATIONS

Devices Supported:

EPROM, paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, TSOPII, SOP, PSOP, TSSOP, SON, EBGA, VFBGA, μ BGA, CSP, SCSP etc.

PC Interface: USB

Stand-alone Mode Operation Storage Media: Compact Flash Card (option)

Optional Accessories: PEP3000 Pin-driver Expansion Pack, Socket Adapters, Compact Flash Card

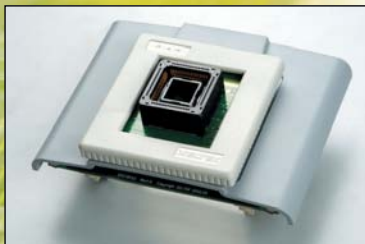
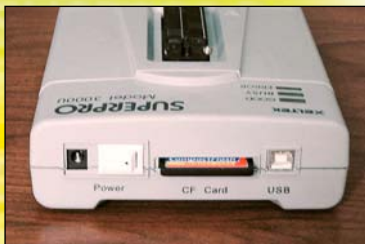
HARDWARE & ELECTRICAL SPECIFICATIONS

Items Included: programming unit with DIP48 pin socket, AC adapter, Program CD, USB Cable, User's Guide

Power Supply: Input 100V-240VAC, Output 12VDC/2.5 Amp

Programmer Unit dimension: 240(L) x 150(W) x 50(H) mm

Gross Shipping Weight: 5Lbs. (2.2kg)



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