SUPERPRO®/3000U

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

* Programs and Verify 32 Mb Flash Memories Within 13.5 Sec.

* Up to 100 Pins Universal Pin-drivers

* Supports 20,000+ Devices including 1.5V devices

* High Programming Quality

* PC Hosted (USB), Stand-alone and Terminal – Three Modes in One Unit

* Powerful and Intelligent Software

XELTEK

SUPERPRO® /3000U

USB Interfaced 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 Verifies Intel 28F320W18, 32Mb, in 13.5 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.
 - ±5% and ±10% Vcc verification enhances programming reliability.
* **Supports 20,000+ devices from 134 IC 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 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 a 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 programmers provides for a 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
 - **20,000 devices supported** Device 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 Adapter Supported:
DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, TSOPII, SOP, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, µBGA, CSP, SCSP etc.
PC Interface: USB
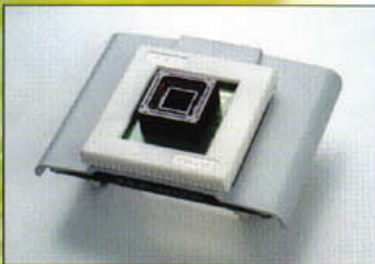**Stand-alone Mode Operation Storage Media:** Compact Flash Card (option)
Optional Accessories: PEP3000 Pin-driver Expansion Pack, Socket Adapters, Compact Flash Card
Items included: programming unit with DIP48 socket, AC adapter, Program CD, USB Cable, User's Guide
Power Supply: Input 100V-240VAC, Output 12VDC/2.0 Amp
Programming Unit Dimension: 240(L) x 150(W) x 50(H) mm
Gross Shipping Weight: 5 Lbs.

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