

XELTEK

SUPERPRO[®] / 3000U

Stand-Alone Universal Device Programmer



Features:

- Programs high-density Flash memory devices at near theoretical minimum programming times (Program+verify of INTEL 28F320W18, 32Mb in less than 14s).
- Standard 48 pin universal pin-drivers come with universal package adapters to support all type of devices in same package with a single adapter. No adapters are needed for DIL devices. Universal pin-drivers are expanded to 100 pins by replacing the standard DIL48 module with PEP3000 module. Up to 100 pins universal adapters are available working with PEP3000. Universal adapters ensure rapid algorithm update. Device-specific adapters are also available for devices above 48 pins that are mounted on DIL48 module. Down to 1.5V low voltage devices are supported directly thanks to the DAC controlled I/O levels.
- Advanced hardware features minimized Bounce noise. Only IC manufacturers approved algorithms are adopted. High yield rates are guaranteed for all devices including low voltage, critical and second-hand devices. +/-5% and +/-10% Vcc Verification promises programming reliability.
- Supports 11000+ devices from up to 100 IC manufacturers including MEMORY, MCU and PLD.
- Test function for standard logic devices and SRAMs.
- Free life-time software update.

- SUPERPRO/3000U is designed for multi-applications. There are 3 working modes, PC-hosted mode via USB port for R&D, Stand-alone mode for production, Terminal mode for customer application. It comes with a full-featured OS, LCD+ keypad operator interface and a CF card interface for algorithms and user data files storage for stand-alone mode.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Software supports WINDOWS 98/ME/NT/2000/XP.
- Operator friendly control software combines many powerful functions with ease of use. Project minimizes the whole process of device selection, file loading, device configuration setting, operation option, batch file setting etc. to a single step. History of device selection and file loading simplify operation. Batch command combines device operations like program, verify, security into a single command at any sequence. Auto-Start start Batch command automatically as soon as the chip is detected to be inserted in the socket properly. Serial number can be generated and programmed into devices automatically in anyway customer specified. The correct device type will be suggested according to the actual ID read when a mistake type is selected. With help of the open API user can even change the buffer content from chip to chip. Recognizes file formats and detects large file offset automatically.
- SUPERPRO/3000U announces clustering programming system. a characteristic volume production solution. Several units work together in stand-alone mode like a multi-site production programmer. Advantages over traditional gang programming:
 - No special gang adapter and s/w are needed. Supports more devices and algorithms update more quickly.
 - Meets budget flexibly. Starts with a single unit, then, add more to increase throughput with business growing.
 - Safer for the production chain because a single unit faulty will not stop whole production.
 - Higher throughput. Each unit starts working as soon as a new chip is inserted. No need for synchronous start of all the units.

Specifications:

- **Device Support:**
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.
- **Package Support:**
DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, TSOPII, SOP, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, μ BGA, CSP, SCSP etc.
- **PC Interface:**
USB
- **Local Storage Media:**
Compact FLASH Card
- **Standard Package:**
Main unit, DIL48 Module, AC adapter, CD-ROM, User's Guide, USB Cable
- **Option Accessories:**
PEP3000 Pin-driver Expansion Pack, Package Adapter, CF Card