SUPERPRO-3000U AND SUPERPRO-3000U-100

These high-speed, USB connected universal programmers provide a scaleable programming solution, used singly for development or with up to 4 units clustered for low volume production. With up to 100 universal pin drivers, low voltage device support down to 1.5V and broad universal adapter range, it supports over 15,000 devices.

- Over 15, 000 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Optional 100-Pin PEP module with 100 universal pin drivers (standard on SP-3000U-100) delivers full functionality on every pin to enable programming of higher pin count devices with universal adapters
- Universal adapters support all devices that come in same package - enables any new device in that package to be supported with free software updates from internet
- Low voltage device support – down to 1.5V for latest generation devices
- Operates in standalone mode for manufacturing and service – built in keyboard and LCD display for operation without host PC
- High speed operation – programs and verifies 32 Mbit Flash (28F320W18) in 14 sec
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by embedded CPU for highly accurate timing - unaffected by host PC speed or bus activity
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- USB connectivity to host PC or USB hub for high speed download
- Free software updates from internet – new device updates released monthly
- 1-Year warranty
- Device support search engine on – www._____/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, USB cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 10" (L) x 6-1/4" (W) x 2" (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/2.5A
- Shipping Weight – 5 lbs.

SUPERPRO-580U

This high speed, USB connected universal programmer is well suited for engineering development. With its 48 universal pin drivers, low voltage device support down to 1.5V and broad universal adapter range, it supports over 13,000 devices.

- Over 13, 000 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Universal adapters support all devices that come in same package - enables any new device in that package to be supported with free software updates from internet
- Low voltage device support – down to 1.5V for latest generation devices
- High speed operation – programs and verifies 32 Mbit Flash (28F320W18) in 14 sec
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by embedded CPU for highly accurate timing - unaffected by host PC speed or bus activity
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- USB connectivity to host PC or USB hub for high speed download
- Free software updates from internet – new device updates released monthly
- 1-Year warranty
- Device support search engine on – www._____/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, USB cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 8-1/2” (L) x 5-1/2 ” (W) x 1” (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/2.5A
- Shipping Weight – 4.41 lbs.

SUPERPRO-280U

This high speed, USB connected universal programmer is well suited for engineering development. With its 48 universal pin drivers, low voltage device support down to 1.5V and broad universal adapter range, it supports over 9,000 devices.

- Over 9,000 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Universal adapters support all devices that come in same package - enables any new device in that package to be supported with free software updates from internet
- Low voltage device support – down to 1.5V for latest generation devices
- High speed operation – programs and verifies 32 Mbit Flash (28F320W18) in 14 sec
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by embedded CPU for highly accurate timing - unaffected by host PC speed or bus activity
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- USB connectivity to host PC or USB hub for high speed download
- Free software updates from internet – new device updates released monthly
- 1-Year warranty
- Device support search engine on – www._____.com/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, USB cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 8-1/2” (L) x 5-1/2 ” (W) x 1” (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/2.5A
- Shipping Weight – 4.41 lbs.

SUPERPRO-580

This universal programmer is well suited for engineering development. With its 48 universal pin drivers, low voltage device support down to 1.8V and broad universal adapter range, it supports over 9,500 devices.

- Over 9,500 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Universal adapters support all devices that come in same package - enables any new device in that package to be supported with free software updates from internet
- Low voltage device support – down to 1.8V
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by embedded CPU for highly accurate timing - unaffected by host PC speed or bus activity
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- Parallel port connection to host PC
- 1-Year warranty
- Device support search engine on – www._____/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, DB-25 cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 8" (L) x 5-1/2 " (W) x 1" (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/1.5A
- Shipping Weight – 4.4 lbs.

SUPERPRO-280

This universal programmer is well suited for engineering development and educational purposes. With its 48-pin socket, low voltage device support down to 1.8V and broad adapter range, it supports over 4,500 devices.

- Over 4,500 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 optimized pin drivers – subset of universal functionality on every pin supports many devices at lowest possible cost
- Device specific adapters support many devices that come in same package
- Low voltage device support – down to 1.8V
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by PC – provides highly accurate timing for supported devices
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- Parallel port connection to host PC
- 1-Year warranty
- Device support search engine on – www._____.com/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, DB-25 cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 8" (L) x 5-1/2 " (W) x 1" (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/1.5A
- Shipping Weight – 4 lbs.

SUPERPRO-LX

This universal programmer is well suited for engineering development and educational purposes. With its 48-pin socket, low voltage device support down to 3V and broad adapter range, it supports over 3,800 devices.

- Over 3,800 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 optimized pin drivers – subset of universal functionality on every pin supports many devices at lowest possible cost
- Device specific adapters support many devices that come in same package
- Low voltage device support – down to 3.0V
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by PC – provides highly accurate timing for supported devices
- Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- Parallel port connection to host PC
- 1-Year warranty
- Device support search engine on – www_____.com/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, DB-25 cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 8" (L) x 5-1/2 " (W) x 1" (H)
- Power Supply - Input 100V-240VAC, Output 12VDC/1.5A
- Shipping Weight – 4 lbs.

SUPERPRO-Z

This low cost universal programmer is well suited for engineering development and educational purposes. With its 40-pin socket, low voltage device support down to 3V and broad adapter range, it supports over 3,300 devices.

- Over 3,300 devices supported including memories, microcontrollers and programmable logic
- 40-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 40 pins
- 40 optimized pin drivers – subset of universal functionality on every pin supports many devices at lowest possible cost
- Device specific adapters support many devices that come in same package
- Low voltage device support – down to 3V
- Includes TTL and SRAM test to facilitate new board bring-up
- Algorithms controlled by PC – provides highly accurate timing for supported devices
- Batch mode simplifies programmer operation
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- Parallel port connection to host PC
- 1-Year warranty
- Device support search engine on – www._____.com/xeltek

If you want to include contents, dimensions, etc. in your descriptions – add the following:

Contents -
- Includes power supply, DB-25 cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimensions – 7-3/4" (L) x 5-1/2" (W) x 3/4" (H)
- Power Supply - Input AC 100 to 240V, Output : DC 12V/1.5A
- Shipping Weight – 4 lbs

SUPERPRO-8000 Gang Programmer

This high-speed, stand-alone gang programmer provides a programming solution for volume production. With its eight programming sites, low voltage device support down to 1.8V and broad adapter range, it supports over 4,900 devices and is suitable for the production of embedded and converged consumer products such as mobile phones, digital cameras, remote controls, POS terminals, PCs, printers, networking equipment, etc.

- Over 4,900 devices supported including memories, microcontrollers and programmable logic
- Supports programming of up to 8 devices in parallel
- Eight 48-Pin ZIF sockets, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers per socket - full functionality on every pin maximizes adapter flexibility
- Universal adapters support all devices that come in same package - enables any new device in that package to be supported with free software updates from internet
- High pin count device specific adapters available for devices over 48 pins
- Low voltage device support – down to 1.8V
- Includes TTL and SRAM test to facilitate manufacturing
- Operates in standalone mode for manufacturing – built in keyboard and LCD display for operation without host PC. Data files and algorithms contained on FLASH memory cards
- Algorithms controlled by embedded CPU for highly accurate timing - unaffected by host PC speed or bus activity
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- Parallel port connectivity to host PC for high speed download
- Free software updates from internet – new device updates released monthly
- 1-Year warranty
- Device support search engine on – www._____/xeltek

Programming Speed and Throughput

Device	Density	Program (s)	Verify (s)	Throughput (Units/8hrs)
28F320B3	32M	49	48	290
28F800B	8M	12	13	1066
28F008	8M	24	15	702
29F080B	8M	28	15	640
28C64B	64K	0.4	0.5	9600
24C256	256K	2.4	6	2769
W78E58	N/A	12	2	1800
PIC12C508	N/A	0.8	0.7	8228

Contents -
- Includes power supply, DB-25 cable, user manual and SUPERPRO software CD

Specifications –
- Programmer Dimension: 15.35" x 9.05" x 5.12" (390mm x 230mm x 130mm)
- Power Supply: Input 100V-240VAC, Outputs 5VDC, 12VDC. 24VDC
- Cable: DB-25, 31.50" (0.8m) long
- Shipping Weight: 13.23lbs. (6kg)

EPROM UV ERASER LA6T

This professional EPROM eraser is well suited for engineering development and educational purposes. Capable of erasing up to 9 EPROMs at once in as little as 10 minutes, this eraser is the perfect complement to the Superpro line of high-speed universal programmers.

- High speed – erases individual devices in as little as 10 minutes
- Holds up to devices at one time
- Electronic timer – user selectable erase time from 10 to 35 minutes
- Conductive foam lined tray protects devices from electrostatic discharge
- UV intensity – 7mW/cm^2
- Operating Voltage – 100 to 120VAC
- Small footprint – only 8.5" (L) x 2.7" (W) x 3.1" (H)
- 1-Year warranty

Adapters

Xeltek manufactures a wide variety of Superpro universal and device specific adapters. Package support includes DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, µBGA, CSP, SCSP, etc.

We carry the complete line of Xeltek Superpro adapters. A sampling of adapters carried is shown below. Refer to the device support search engine on www._____.com/xeltek to determine which adapter is required for your device and programmer.

Manufacturer's Number	Description	Retail
001A	PLCC 20 - Universal Adapter - For All Programmers	$70.00
008A	PLCC 28 - Universal Adapter - For All Programmers	$85.00
015A	PLCC 32 - Universal Adapter - For All Programmers	$95.00
244A	PLCC 44 - Universal Adapter - For All 48-Pin Programmers	$110.00
247A	TSOP 48 - Universal Adapter - For All 48-Pin Programmers	$175.00