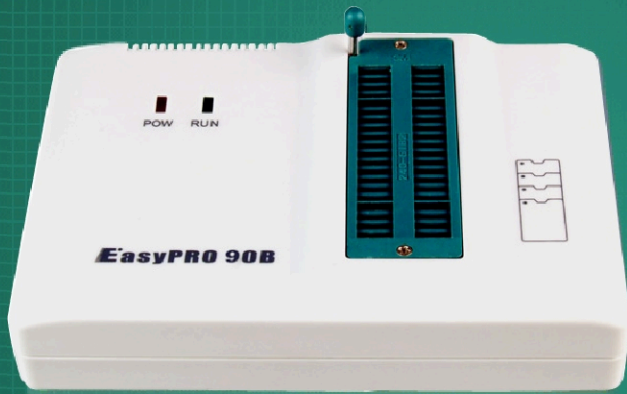


# EasyPRO 90B UNIVERSAL PROGRAMMER



- USB Interface
- Excellent Circuit Structure
- Free Life-time Software Updates
- A Real Portable Universal Programmer

## The Pocket Universal Programmer -- Powerful !

THE POCKET UNIVERSAL PROGRAMMER -- POWERFUL !

>>>>>Excellent circuit structure , best programming quality and protection designed to give the best service to you ... <<<<<

### Introduction

**EasyPRO90B** was designed to be a portable programming solution for today's and tomorrow's universal device programming challenges. The units small size offers extreme portability. The inexpensive cost of the EasyPRO90B makes it a great choice for variety of budgets

**EasyPRO90B** supports device programming and testing for a variety of device types covering EPROM, EEPROM, Serial PROM, FLASH, MPU/MCU, GAL, SRAM, TTL/CMOS etc. Popular 40 pin popular pin- drivers come with universalpackage adapters to support all types of devices in same package with a single adapter. USB port interface is provided to connect to the majority of notebook or desktop PC runs on Windows98 or above ..

**EasyPRO90B** features modular pin drivers to provide excellent programming capabilities at high speed, high reliability and high expansion flexibility.

### Features & Benefits

#### ➤ High Performance

EasyPRO90B's exclusive feature saves you time, frustration, and money.

• **Portability:** The EasyPRO90B is extremely portable, you can pack it up and take it with you anytime you wish. At only 1.5"x5"x8", with a 2" high power transformer, the EasyPRO90B fits into a briefcase or toolbox with ease. The programmer, USB cable, transformer, together weigh in at less than two pounds!

• **Flexible, Reliable Support for the Latest Devices and Packages**

Support over 5000 devices covering EPROM, EEPROM, Serial PROM, FLASH, MPU/MCU, GAL, etc.. Most of programmable devices in DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP, or BGA package types can be programmed on a default DIP40 socket or through an appropriate ADAPTER/CONVERTER.



## ➤ **Advanced hardware features**

- **Wide IC Coverage:** Support the great mass of the universal devices on the market.
- **High Reliability:** Self-Test system check hardware status any time.

## ➤ **Software designed with you in mind Get to work immediately**

The programming software's easy-to-use graphical interface eliminates your learning curve you don't need the manual! Friendly operation interface combines many powerful functions with ease to use.

- **Project manager save option:** project minimizes the whole process of device selection, file loading, device configuration setting, operation option etc. to a single step.
- **Automated one touch:** The EasyPRO90B offers the "automated one touch" system. This allows you to blank check, erase, program, verify or any combination of these functions with the ease of just pushing a button.
- **Device Check:** Give a warning automatically according to the actual ID read when a mistake type is selected.
- **CRC Verify:** File CRC check and detect large file offset automatically.
- **Serial number generator:** Serial number can be generated and programmed into Code or Data locations automatically in anyway customer specified.
- **Algorithm Updates:** EasyPRO90B provides universal, highly flexible device programming support for today's memory, microcontroller and logic devices from all the major manufacture. We release new device support software from our web site weekly. Code or Data locations automatically in anyway customer specified.
- **Algorithm Updates:** SmartPRO 5000U provides universal, highly flexible device programming support for today's memory, microcontroller and logic devices from all the major manufacture. We release new device support software from our web site weekly.

## ➤ **A powerful multiprogramming**

Attaching of more EasyPRO90B programmers to the same PC (through USB port) is achieved a powerful multiprogramming system with as much chips supported as EasyPRO90B can and without obvious decreasing of programming speed. It is important to know, there is a concurrent multiprogramming - each programmer works independently and each programmer can program different chip, if necessary.

## ➤ **Ideal for Engineering as well as Production Environment**

Programmer is built to meet the demands of development labs and field engineers for a specialized memory programmer.



EasyPRO Programmers



## Specification

### ➤ General

<b>Power:</b>	By external power supply AC input voltage: 220V 50Hz DC output voltage: 20V 500mA
<b>Dimensions:</b>	L×W×H: 120mm×82 mm×27 mm
<b>Mass:</b>	0. 18kg

### ➤ Software

<b>Algorithms :</b>	Uses manufacturer approved Algorithms
<b>File Type:</b>	It can handle file in binary/machine code ,Intel Hex, Techtronics, Signetics, Motorola, ASCII, MS-DOS fn. COM & EXE ,DRAFT etc.
<b>Device Supported:</b>	Including, but not limited to low voltage, PROM, EPROM, EEPROM, Flash EEPROM, Microcontrollers, GAL. SRAM, TTL/CMOS device test.
<b>S/W update:</b>	Virtually supports you, and free life-time software updates are available!

### ➤ Hardware

<b>Diagnostics:</b>	RAM, ROM, CPU, pin drivers, power supply, communications, cable, calibration verification timing
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### ➤ PIN Drivers

<b>Quantity:</b>	40-pins popular
<b>VPP Range:</b>	2.8~18V
<b>Icc Range:</b>	0~800mA continuously programmable
<b>Vcc Range:</b>	2.8~12V
<b>Clocks:</b>	continuously variable 4M~48M
<b>Protection:</b>	overcurrent shutdown, power failure shutdown
<b>Independence:</b>	pin drivers and waveform generators are fully independent and concurrent

### ➤ PC System

<b>Requirements:</b>	Microsoft Windows 98 or above
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### ➤ Standard Accessories Included

**EasyPRO90B universal programmer**  
**Software on CD-ROM**  
**User manual on CD-ROM**  
**USB cable**  
**AC/DC adaptor**  
**1-year hardware warranty**



Standard Accessories

## EasyPRO Programmers

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