

# UprogHS 48 portable universal stand-alone programmer



## FEATURES

- 48 universal pin-drivers
- **Two modes of operation:**
  - stand-alone** - for manufacturing, service and field support
  - PC-hosted** - for engineering tasks
- Flash memory card for file and device storage
- Supports 5000 devices (June 2004): EPROMs, EEPROMs, Flash, MCUs, PLDs, etc
- In circuit programming capability (**SPI, Microwire**, etc.)
- Device insertion and pin-contact check
- Supports standard 5V and low voltage devices down to 1.8V
- Built in universal **IC tester**
- **Short programming and verification** times
- Built in 8-bit **EPROM simulator** up to 128KB, access time 10ns (optional up to 512KB)
- Optional 16-bit EPROM emulator (70ns)
- Optional 8-channel, 80MHz **logic analyzer** (16-channel, 40MHz)
- Interface with PC through **USB**
- Supports Windows 95/98/ME and Windows NT4/2000/XP
- Free technical support and software updates from the Internet
- Full one year warranty
- Competitive price



## MORE THAN JUST A PROGRAMMER

With the UprogHS 48 portable you get not only a universal programmer but also tester for TTL, CMOS and other devices. UprogHS 48 portable is typically equipped with fast, 8-bit EPROM simulator (access time ~10ns). As option the customer can order memory extension up to 512KB, 16-bit EPROM emulator (~70ns), 8-channel (80MHz) or 16-channel (40MHz) logic analyzer, additional module for logic analyzer (variable threshold level, large input impedance), module for in-system programming.

## TWO MODES OF OPERATION

**UprogHS 48 portable** - first programmer with **USB** interface in our offer - operates in two modes: **stand-alone** and standard PC hosted. In stand-alone mode built-in keyboard and LCD display allows easy operation management. This mode requires memory card (SmartMedia) to store data files and devices in four databases. Device databases can contain any device from list with assigned data file. Contents of the device can also be read in stand-alone mode and saved onto card for further use. The database should be prepared using PC host and stored before stand-alone operations.

Programmer **UprogHS 48 portable** working in PC hosted mode owns all features of UprogHS 48: wide device list, expansion possibilities - logic analyzer, EPROM simulator, etc.

## DEVICE SUPPORT

- 8- and 16-bit memories: EPROM, serial and parallel EEPROM, Flash
- Programmable logic: GAL, ATF
- Microcontrollers: 51 family, AVR, PIC, St62, MSP430F, etc.

See full device support list for comprehensive part listing. All on-chip features including ID recognition, security, oscillator settings, etc. are supported and easy to set.

## LOW & HIGH VOLTAGE SUPPORT

The Uprog supports wide supply voltages from 1.8V to 8V, and high programming voltage in range 0-30V.

## SOFTWARE FUNCTIONS

The software for the Uprog operates under Windows 95/98/ME and Windows NT4/2000/XP environments. Easy to use software provides full functionality, including:

- Card project (files and devices) management
- File load, edit and save
- Data formats: Intel Hex, Motorola S-Record, ASCII, Raw Binary, POF, JAM, SVF, Jedec, etc.
- Buffer editing
- Verify Device ID, Read Device, Erase Device, Blank Check, Program and Verify operations
- Programming all microcontrollers features (options, security bytes, etc.)
- Checks device position and pin contacts before any operation
- Project option allows complete device configuration can be stored to further use

## SOFTWARE UPDATES

Free software updates are available from our Web page, and can be downloaded at any time. In addition custom software and device support is also available.

## PHYSICAL SPECIFICATIONS

- Hard Disk requirement: 20MB
- Dimensions: 12 x 21 x 5 cm
- Weight: approx. 750g

Package includes:

- Programmer
- Mains adapter (12V DC)
- USB cable
- CD with software
- EPROM simulator cable

Options:

- Package adapters
- Ulogic - logic analyzer module
- Module for in-system programming

## INFORMATION, AVAILABILITY & PRICING DETAILS

Manufacturer:

**RK-SYSTEM®**  
ul. Chelmonskiego 30  
05-825 Grodzisk Mazowiecki  
POLAND

tel.: +48 22 7243039  
fax: +48 22 7243037  
email: [rk-system@rk-system.com.pl](mailto:rk-system@rk-system.com.pl)  
www: <http://www.rk-system.com.pl>

Local distributor: