

**Y3765** = Product group; Product group discount Y 37 6\_

## AVR-DRAGON

### Features

The AVR-DRAGON sets a new standard for low cost development tools. AVR-DRAGON supports all programming modes for the AVR device family. It also includes complete emulation support for AVR controllers with 32K or less Flash memory.

### Terms of Delivery

Delivery contents: AVR-DRAGON emulator board (USB powered).

## AVR-ISP-MKII

### Features

- Portable In-Circuit Programmer
- Suitable for all 8Bit AVR ISP Flash Microcontrollers
- Upgradeable to support future devices
- AVR Studio (4.2 or later) compatible
- USB 2.0 compliant (full speed, 12Mbps)
- Powered from USB, does not require external power supply
- Programs both Flash and EEPROM
- Supports target voltages from 1,8...5,5V
- Adjustable programming speed (50Hz to 8MHz SCK frequency)
- Target interface protection
- Short-circuit protection
- Direct connection to USB interface
- Extremely small and manageable device

### Terms of Delivery

Delivery contents: Programmer AVR-ISP-MKII, Technical Library CD-ROM with datasheets, application notes and software, USB cable.

## AVR-UPP-USB

### Features

- Portable In-Circuit Programmer
- Suitable for ATTINY13...ATMEGA256\_
- New CPU-types can be defined without any problem by ASCII files
- No special sockets or adapters necessary
- Powered from USB or target, does not require external power supply
- Automatic voltage adjustment to target-CPU (2,7...5,5V)
- Comprehensive software, running under Windows2000/NT/XP
- Hexfiles from the PC loaded and stored in the programmer
- CPU-type, fusebits etc. are individually programmed by the PC
- The programmer can be carried from target to target without loss of data
- JTAG programming support
- 32MB MMC FlashCard
- Direct connection to USB interface
- Extremely small and manageable device
- Dimensions: approx. 110x55x20mm

### Terms of Delivery

Delivery contents: Programmer with 32MB MMC FlashCard and software, German user manual, USB cable.

### Terms of Delivery

Minimum order quantity: please see price list column "MOQ".  
Articles in bold print in stock, other articles available on request.

**Manufacturer:** Atmel / E-LAB

<http://www.atmel.com>

<http://www.e-lab.de>



AVR-UPP-USB