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**GALEP-4**  
FIELD  
PROGRAMMER

## Introducing a pocket programmer with true **Universal Output**

### **An ASIC pin provides true universal I / O**

The GALEP-4 is the first fully portable, pocket-sized device programmer with universal programming capability. A unique ASIC pin driver was designed specifically for this latest generation Galep programmer, enabling the first true universal input/output capability in a portable programmer of pocket sized dimension – a combination of features previously only available in high-end programmers. Without need of a single adapter, the GALEP-4 programmer handles:

- ▶ EPROM's, EEPROM's, FLASH-EPROM's,
- ▶ Serial EEPROM's,
- ▶ Micro-controller's,
- ▶ GAL's / PALCE's
- ▶ Support for ultra-low voltage devices down to 1.3 volt.

### **Flexible, Portable Field Tool**

Conitec's new universal programmer was also designed into a very small package, for maximum portability in the field. Barely the size of a PC mouse ( 4.52 ins. x 3.15 ins. x 1.3 ins.),

This unit will support 8 hours of continuous programming duty from battery power alone, before requiring a re-charge. Along with basic functions such as <read>, <program>, <compare> and <erase>, the software permits setting specially designated functions for any selected device, to facilitate tasks. The integrated editor's many features allow the user to edit device data, which can be loaded or saved in Intel-Hex, Motorola-S or binary format.

### **The GALEP-4 Kit / Contents**

System requirements: Windows 95, 98, ME, NT, 2000 or Windows XP / The GALEP kit contains: a GALEP-4-Programmer, PC cable, a power adapter, and software CD with electronic manual. 6 x NiMH AAA Batteries not included - required only if battery operation is desired.

*A comprehensive and economical tool for field assignments - substitutes high cost universal tools such as ALL-11 (HILO), or LAB-TOOL-48 (ADVANTECH) - Provides virtually matching performance, at 1/3 to 1/5 of the cost.*



## SPECIFICATIONS

### HIGH TECH / MADE IN GERMANY

The GALEP-4's unique flexibility is made possible by its hardware design. All 40 pins of the programmer socket are treated equally, offering three separately adjustable voltages up to 25 volts. Ground, pulse, configurable pull-up/pull-down resistors, as well as logical I/O ports with bidirectional level shifters for low-voltage components.

By using a highly integrated FPGA, GALEP's internal logic is made freely programmable and is automatically optimized for the selected component. This way all components can be written or read at optimal speed.

Dual power: AC adapter or intern. batteries : 6 recharg. NiMH batteries (AAA/600mAh)

Support for low-voltage components down to 1.3 Volts

Socket converters available for most component packages

Pocket-sized, ultra-portable format: only ca. 80 x 115 x 33 mm

Programs 8-bit & 16-bit EEPROM's up to 8 MBit, normal & serial EEPROM's, Flash-EPROM's

Programs GALs / PALCEs

Also programs numerous micro-controllers, e.g. Atmel AVR, PICmicro, 8x51

Lightning-fast parallel data transfer, e.g. 27C256 Read/Verify = 2 sec. /program = 8 sec.

Simple PC printer port connection

Automatic Split/shuffle function for 8-, 16- and 32-bit target systems

Supports Hex, Jedec and Binary file formats

Integrated hex and fusemap editor

Software for Win95, Win98, ME, 2000, NT, XP

Designed for the future with flexible pin driver technology - new devices added monthly!

Permanently upgradeable - unlimited free software updates via internet

Each GALEP-4 Kit contains:	GALEP-4 universal programmer Printer port data cable AC power adapter Software CD : Windows 95/98/ME/XP/NT/2000
System requirements:	PC with Pentium CPU 32 bit Windows operating system
Supported components:	8- and 16-bit EPROMs, EEPROMs, Flash-EPROMs, various GAL- and EPLD types, as well as micro controllers.
Current supported devices:	<a href="http://www.conitec.net/hardware/xpages/glptyp.htm">http://www.conitec.net/hardware/xpages/glptyp.htm</a> - Check here regularly for frequent updates and the current complete list of supported devices.

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210830 - Galep-4 Kit - Complete kit with software, cable and AC/DC adapter	_____
210841 - 44 Pin DIL > 44 Pin PPLCC Socket Adapter for EPROMs and MCUs	_____
210842 - 32 Pin DIL > 32 Pin PPLCC Socket Adapter for 8-Bit EPROMs	_____
210843 - 28 Pin DIL > 32 Pin PPLCC Socket Adapter for 8-Bit EPROMs	_____
210844 - 20 Pin DIL > 20 Pin PPLCC Socket Adapter for GALs and PALCEs	_____
210845 - 24 Pin DIL > 28 Pin PPLCC Socket Adapter for GALs and PALCEs	_____
210846 - 40 Pin DIL > 44 Pin SOP package Adapter for FLASH	_____



Specifications subject to change without notice.