



EASY TO USE



The ONBP100 programs memory on assembled printed circuit boards. Typical applications include in-circuit programming of military and avionics systems.

The programmer base unit is designed to accept plug-in board adaptors with each adaptor being designed for a particular board or range of boards. As the adaptors could be required to last for many years, they are designed to be mechanically robust, with a 192-way Virginia Panel Connector (commonly used in the Avionics industry) securing the adaptor to the base unit.

As adaptors and software are supplied for each application, no programming knowledge is required by the user. Unlike earlier board programmers, the ONBP100 can work with modern Windows-based PCs using either USB or RS232 to download data. With 128Mbit of RAM as standard, the ONBP100 has more than enough RAM for almost all applications.

A "job-orientated", Windows-based program allows an "administrator" to set up a job, which can then be run by an "operator", with no special knowledge. Alternatively, the programmer can be used in "local mode" for a limited range of functions, such as programming boards.

The programmer was designed by Lloyd Research - a company which has been designing and manufacturing programmers for over twenty years. They supply programmers for a wide range of applications including flash memory for mobile phones, EPROMs for safety-critical railway signalling systems and serial EEPROMs for TV sets.

Many of these programmers have been tested and approved by the leading device suppliers including Intel, Texas Instruments, SGS Thomson and National Semiconductor. Details of current programmers can be seen at the company's website.

SPECIFICATIONS

DEVICE SUPPORT

EPROMs, EEPROMs, flash and microcontrollers

BOARD SUPPLIES

0 to 7V:
current limit programmable up to 5A
0 to -10V at up to 1A
± 15V at 250 mA
27V at 2A

MEMORY SUPPLIES

0 to 7V:
current limit programmable up to 5A
0 to 25V at up to 1A

LINE SUPPLY

90 to 264V, 50/60 Hz, 200VA max

FIRMWARE

The firmware for the programmer and all the adaptors is held in one flash memory, which can be electronically updated, eg over the internet

SOFTWARE

PC-based, running under Windows XP, ME or 2000, with data transfer over USB or RS232 ports

PHYSICAL

Dimensions: 395 x 395 x 155 mm
Weight: 8kg

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