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Data Sheet

August 15, 2026

BP MICROSYSTEMS

BP Microsystems BP-1400/240 Universal Device Programmer

The BP Microsystems BP-1400/240 is a universal device programmer designed for programming a wide range of integrated circuits (ICs). It supports various device types, including EPROMs, EEPROMs, flash memory, microcontrollers, and programmable logic devices (PLDs). This programmer is suitable for both engineering and production environments, offering high-speed programming and reliable performance.



MODEL

**BP Microsystems
BP-1400/240**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

BP-1400/240

LISTING

<https://aumictechlabs.com/products/bp-1400-240-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BP Microsystems BP-1400/240 is a universal device programmer engineered for high-speed programming and functional testing of integrated circuits across engineering and production environments. This 240-pin universal programmer supports all major device technologies and package types, delivering rise times of 800ps at the programming socket without overshoot or ground bounce. The system accommodates devices operating down to 2.7V, enabling support for advanced low-voltage technologies while maintaining the ability to functionally test high-speed PLDs with speeds as low as 3ns. Technical Specifications Device Support: EPROM, EEPROM, Flash memory (up to 32MB), microcontrollers, PLDs, CPLDs, PALs, FPGAs, and anti-fuse FPGAs

Package Support: DIP, PLCC, TSOP, SSOP, SOIC, LCC, PCMCIA, QFP, PGA, and BGA packages up to 240 pins Pin Drivers: 240 standard pin drivers operating down to 2.7V Rise Time: 800ps at programming socket (no overshoot or ground bounce) Voltage Range: 2.7V to 3.3V (low-voltage device support) Programming Architecture: Based on BP-2200 Concurrent Programming System, single-site configuration Testing: Full vector testing and 100% continuity testing; 240-pin device support Key Features High-speed bipolar analog pin drivers with microstrip transmission lines Interchangeable socket modules for package-type switching Pre-programming 100% continuity verification on all devices Functional testing capability for devices with speeds as low as 3ns Universal programmer compatibility across all package types Typical Applications Production programming of high-pin-count devices and BGA packages Engineering development with mixed device technology requirements Functional verification of high-speed programmable logic Low-voltage device programming and testing Compatibility & Integration Historically operated on Windows 98, with later compatibility for Windows XP and Windows 7 environments. Associated with BPWin software; final supported version for legacy BP-1400 systems was BPWin 4.73. Note: The BP-1400/240 reached manufacturer end-of-life as of December 31, 2008, with discontinuation of official support.

BP1400240 Characteristics / Specifications

PARAMETER	VALUE
Model	BP-1400
Configured Variant	BP-1400/240
Instrument Type	universal device programmer
Pin Drivers Quantity	240 pins standard
Pin Driver Voltage Range	0 to 25.00 V
Pin Driver Voltage Step	6.25 μ V
Pin Driver Current Range	0 to 1 A
Pin Driver Current Resolution	15 μ A
Pin Driver Slew Rate	0.001 to 2500 V/ μ s
Timing Range	1 μ s to 1 s
Timing Accuracy	plus 1 μ s plus 0.01 percent
Clock Range	continuously variable 390 kHz to 30 MHz
Cpu	80486-DX4 at 96 MHz with proprietary hardware accelerator
Vdd Support Range	5 V down to 1.5 V
Vpp Maximum	25 V
Calibration	automatic self-calibration
Diagnostics	pin continuity RAM ROM CPU pin drivers power supply communications cable calibration timing ADC DAC
Test Vectors	supported on PLDs up to 240 pins
Continuity Test	each pin including Vcc ground and signal pins
Protection	overcurrent shutdown power failure shutdown ESD protection reverse insertion
Devices Supported	antifuse low voltage PROM EPROM EEPROM Flash microcontrollers SPLD CPLD FPGA
Algorithm Updates	free software updates about eight times per year
Socket Modules	PLCC PGA CSP BGA microBGA SOIC QFP TSOP LCC SDIP PCMCIA SIMM class

BP1400240 Specifications

PARAMETER	VALUE
Key Features	240-pin drivers standard
Technical Specifications	Model: BP-1400
Notes	Numeric rows from BP Microsystems BP-1400 Universal Device Programmer OEM brochure/data sheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

Numeric rows from BP Microsystems BP-1400 Universal Device Programmer OEM brochure/data sheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.