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Test & measurement · bought, sold, repaired, calibrated

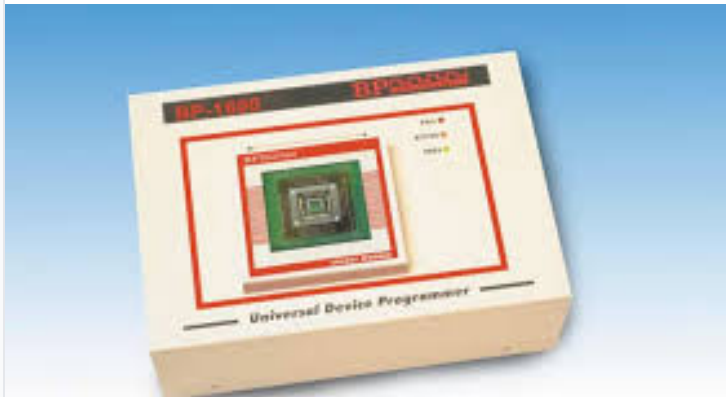
Data Sheet

August 15, 2026

BP MICROSYSTEMS

BP Microsystems BP-1600 Universal Programmer

Aumictech offers NIST-traceable calibration and repair for the BP Microsystems BP-1600. Calibration covers analog input channel accuracy and offset at all gain settings, analog output accuracy, digital I/O logic threshold verification, sample rate and timing accuracy, and trigger and synchronization bus functional verification. NI CompactRIO and PXI chassis also undergo backplane trigger line integrity check.. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1-3 business days after receipt. Common BP Microsystems BP-1600 faults: power supply failure (cRIO-9073/9074), C-series slot connector wear, PXI chassis fan failure, GPIB interface failure on VXI controllers, BIOS/EEPROM corruption. NI CompactRIO most common faults are power supply failure on older cRIO-9073/9074 chassis and C-series module slot connector wear from repeated hot-swap cycles. PXI chassi



MODEL	CALIBRATION
BP Microsystems BP-1600	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
BP-1600	https://aumictechlabs.com/products/bp-1600-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

BP Microsystems BP-1600 Universal Device Programmer The BP Microsystems BP-1600 is a universal programmer designed for engineering and production environments, supporting a broad spectrum of electronic devices. It utilizes advanced 6th Generation Programming Technology to achieve rapid programming speeds, accommodating devices with voltage requirements from 5V down to 1.5V. The system features 240-pin drivers, enabling comprehensive continuity and

functionality testing on each pin prior to programming, which aids in reducing errors and saving time. The BP-1600 is compatible with a wide array of BP Microsystems' socket modules, including specialized FX socket modules for accelerated programming. It supports over 15,800 devices, with support for new devices added regularly. The accompanying JobMaster™ software simplifies job setup, data security, and file sharing through proprietary ".bp" files, which ensure job integrity and can be securely transferred. Technical Specifications

- * Device Support: * Supports over 15,800 devices, with updates provided every six weeks.
- * Broad device compatibility including EPROMs, EEPROMs, microcontrollers, PLDs, CPLDs, FPGAs, and antifuse FPGAs.
- * Supports low voltage devices with Vdd range from 5V down to 1.5V.
- * Vpp range up to 25V.

Programming Technology:

- * Features BP Microsystems' 6th Generation Programming Technology.
- * Utilizes accelerated socket modules (FX socket modules) for programming speeds.

Pin Drivers:

- * Standard 240-pin drivers for comprehensive continuity and functionality testing on every pin before programming.

Socket Module Compatibility:

- * Compatible with over 265 (and over 275 cited elsewhere) interchangeable socket modules.
- * Support for various package types, including µBGAs, Chip Scale Packages (CSP), and large Quad Flat Packs (QFP).
- * Compatibility with FX, standard manual, and automated socket modules.

Software:

- * Includes BP JobMaster™ software.
- * JobMaster ".bp" files ensure proper job setup, secure data, and prevent unauthorized modifications.
- * Supports various file formats including binary, Intel, JEDEC, Motorola S-record, POF, straight hex, and Tekhex.
- * Intelligent device selector for simplified part number entry.

Device Count: Supports over 15,800 programmable devices.

Interfaces

- * Communication: Historically a parallel port device, with newer iterations or related models potentially offering USB. (Note: Specific interface for the BP-1600 model requires direct confirmation; earlier models and some discussions mention parallel/LPT ports).
- * Physical * (Dimensions and weight are not explicitly detailed in the provided search results for the BP-1600 model itself, though specifications for the BP-1610 model are available).

Compatibility

- * Socket Modules: Interchangeable and compatible with all BP Microsystems universal programmers.

Software:

- * JobMaster™ files are portable to BP production programmers.

Operating System: Historically required DOS or Windows XP for software operation; newer software versions may not be compatible with older operating systems.

Legacy Status and Support

- * End of Life: The BP-1600 has been designated as an End-of-Life product by BPM Microsystems as of March 12, 2009.

Support Discontinuation: BPM Microsystems has discontinued all programmer software, hardware, repair, and calibration support for the BP-1600. Effective February 14, 2012, repair or calibration was no longer offered due to obsolete parts.

Software Updates: The last programmer software version that supported the BP-1600 was in 2013.

Operational Considerations: Operation may require older operating systems like Windows XP and parallel port connections.

Why Choose Aumictech for BP Microsystems BP-1600? At Aumictech, we specialize in providing advanced electronic test and measurement equipment. Whether you need to program legacy devices, require a solid solution for engineering development, or need support for a diverse range of ICs, our team ensures that the BP Microsystems BP-1600

BP1600 Characteristics / Specifications

PARAMETER	VALUE
Model	BP-1600
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 uV
Pin Driver Current Range	0 to 1 A
Pin Driver Current Resolution	15 uA
Pin Driver Slew Rate	0.001 to 2500 V/us
Timing Range	1 us to 1 s
Timing Accuracy	plus 1 us 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

BP1600 Specifications

PARAMETER	VALUE
Key Features	240-pin drivers standard
Technical Specifications	Model: BP-1600
Notes	Numeric rows from BP Microsystems BP-1600 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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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.