

**Aumictech**

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Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1787B Programmable DC Power Supply

BK Precision 1787B Programmable DC Power Supply The BK Precision 1787B is a programmable single-output DC power supply for automated bench and system use. OEM programmable-supply documentation lists fine programming resolution, low ripple, and RS232/USB-class remote control with store/recall states. Automated component test, R&D programmable bias, and production DC stimulus. Instrument Family: BK Precision 1787B programmable DC supply

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MODEL

BK Precision 1787B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1787B

LISTING

<https://aumictechlabs.com/products/1787b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1787B is a programmable DC power supply designed for benchtop use. It has precise voltage and current control with a user-friendly interface. This power supply is suitable in engineering, research, and manufacturing environments. Technical Specifications Electrical Specifications * Output Voltage: 0-72 VDC Output Current: 0-1.5 A Output Power: Not explicitly

stated, but derivable from max voltage and current. Line Regulation: * Voltage: $<0.01\% + 3\text{mV}$ * Current: $<0.1\% + 2\text{mA}$ Load Regulation: * Voltage: $<0.01\% + 3\text{mV}$ (Model 1788 is $<0.02\% + 5\text{mV}$) * Current: $<0.1\% + 2\text{mA}$ Ripple and Noise: * Voltage: $\leq 1\text{mVrms} / 3\text{mVp-p}$ * Current: 5mA Voltage Settability Resolution: 10mV Current Settability Resolution: 10mA Accuracy: * Voltmeter: $0.05\% + 15\text{mV}$ * Ammeter: $0.05\% + 15\text{mV}$ Temperature Coefficient: $30\text{ ppm}/^\circ\text{C}$ Input Voltage: 115 VAC , 47 Hz (May also support 220VAC , refer to manual for setting) Fuse Rating: $2.5\text{A T } 250\text{V}$ for 220VAC , $5\text{A T } 250\text{V}$ for 110VAC Features * Programmable Outputs: Sixteen user-programmable preset outputs Output Control: Controllable Output On/Off Switch User Interface: Soft rubber numeric keypad with direct key-in entry for fast and accurate voltage and current selection Calibration: Closed-case calibration Temperature Stability: Excellent temperature stability Operation Modes: Constant Voltage (CV) and Constant Current (CC) modes Series/Parallel Operation: Can be used in series or parallel modes with additional power supplies Interfaces * Communication: RS232 Interface (Serial interface cable and software included) * Includes a USB to TTL serial converter (IT-E132B) Physical Specifications * Dimensions (WxHxD): $10\text{ in.} \times 4.16\text{ in.} \times 15\text{ in.}$ ($381.00\text{mm} \times 254.00\text{mm} \times 105.66\text{mm}$) Weight: 15 lbs (6.8 kg) Display: VFD display Included Accessories * Instruction Manual Serial Interface Cable Software CD Test report Power line cord IT-E132B USB to TTL serial converter Documentation and Software * Datasheet: Available Manual: Available Software: * Operating Software (Supports Windows® 7): PV178x v2.54 * USB Cable Adapter Driver (IT-E132/IT-E132B): v1.14.0 * Python Setup Package: V1.00 * NI Certified LabVIEW Drivers available Why Choose Aumictech for BK Precision 1787B? At Aumictech, we specialize in supplying high-end programmable DC power supply equipment. Whether you need reliable power for product development, precise control for advanced testing, or solid solutions for manufacturing processes, our team ensures the BK Precision 1787B delivers maximum performance and dependable operation for your specific application.

1787B Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	BK Precision 1787B programmable DC supply
Output Type	Single channel programmable DC
Voltage Range Class	Programmable wide voltage range
Current Range Class	Programmable current limit range
Programming Resolution Class	Fine mV mA class resolution
Programming Accuracy Class	Percent plus offset class accuracy
Readback Accuracy Class	Meter readback accuracy class
Ripple Noise Class	Low ripple programmable supply class
Remote Interfaces Class	RS232 USB class
Memory	Multiple store recall locations
Form Factor	Benchtop half rack class
Protections	OVP OCP OTP class
Operating Temperature Class	0 to 40 C
Series Family	BK Precision programmable DC
Applications Class	ATE andRandDbias
Display	Digital voltage current display
Output Terminals	Front and or rear outputs class
Slew Control Class	Programmable voltage current slew class
List Mode Class	Available on family
Transient Response Class	Fast recovery linear or mixed mode class
Primary Power	AC mains selectable
Cooling	Fan cooled class
Weight Class	Benchtop programmable supply
Operating temperature	Class: 0 to 40 C

1787B Specifications

PARAMETER	VALUE
BK Precision 1787B Programmable DC Power Supply	Overview
Store recall memory	Low ripple output
Technical Specifications	Instrument Family: BK Precision 1787B programmable DC supply
Notes	From BK Precision 1787B programmable DC supply documentation. Use the datasheet table for exact V/I maxima and accuracy coefficients.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 40 C
Operating Temperature	Class: 0 to 40 C
Operating Temperature Class	0 to 40 C
Series Family	BK Precision programmable DC
Applications Class	ATE andRandDbias
Display	Digital voltage current display
Output Terminals	Front and or rear outputs class
Slew Control Class	Programmable voltage current slew class
List Mode Class	Available on family
Transient Response Class	Fast recovery linear or mixed mode class
Primary Power	AC mains selectable
Cooling	Fan cooled class
Weight Class	Benchtop programmable supply Notes From BK Precision 1787B programmable DC supply documentation. Use the datasheet table for exact V/I maxima and accuracy coefficients.

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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Weight Class	Benchtop programmable supply
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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

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NIST-traceable calibration · SAM registered ·
30-day returns
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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.