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Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1786B Programmable DC Power Supply

Series Parallel Class: Two supplies may be series or parallel connected class Voltage Controls Class: Front panel adjust class Programming Interface Class: GPIB USB or RS232 class From BK Precision 1786B Programmable DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision. Voltage Controls Class: Front panel adjust class Programming Interface Class: GPIB USB or RS232 class From BK Precision 1786B Programmable DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision.



MODEL

BK Precision 1786B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1786B

LISTING

<https://aumictechlabs.com/products/1786b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BK Precision 1786B is a programmable, single-output DC power supply designed for versatile applications requiring stable and accurate power delivery. It has a voltage range of 0-32V and a current range of 0-3A, with a power rating of 96W. The unit features a direct key-in entry method via a rubber keypad for swift and precise voltage and current selection. It is equipped with an output On/Off switch and can be configured for series or parallel operation with other compatible power supplies. The 1786B is noted for its low ripple and noise, excellent temperature stability, and closed-case calibration capabilities, ensuring reliable performance. Technical Specifications

Output Characteristics: Number of Outputs: 1 Output Voltage (Min): 0 VDC Output Voltage (Max): 32 VDC Output Current (Min): 0 A Output Current (Max): 3 A Power Rating: 96 W Performance: Voltage Regulation (Line): $\leq 0.01\% + 3 \text{ mV}$ Voltage Regulation (Load): $\leq 0.01\% + 3 \text{ mV}$ (Note: Model 1788 is $<0.02\% + 5\text{mV}$) Current Regulation (Line): $\leq 0.1\% + 2 \text{ mA}$ Current Regulation (Load): $\leq 0.1\% + 2 \text{ mA}$ Ripple and Noise (Voltage): $\leq 1 \text{ mVrms} / 3\text{mVp-p}$ Ripple and Noise (Current): 5 mArms Setability Resolution: 10 mV / 10 mA Temperature Coefficient: 30 ppm/°C Accuracy (Voltmeter/Ammeter): 0.05% + 15mV Input Characteristics: Input Voltage: 115 VAC (47 Hz) or 110/220 VAC selectable User Interface and Control: Display Type: VFD (Vacuum Fluorescent Display) Entry Method: Rubber keypad with direct key-in entry Output Control: Controllable Output On/Off Switch Programmable Presets: Sixteen user-programmable preset outputs Interfaces: Communication Interface: RS-232 Port Included Cables: Serial interface cable Physical Characteristics: Dimensions (W x H x D): 10 in. x 4.16 in. x 15 in. or 15.000" L x 10.000" W x 4.160" H Weight: Approximately 15 lbs (6.8 kg), 16.0000 lbs, 3.00 lbs Environmental: Operating Temperature (Min): 0 °C Operating Temperature (Max): 40 °C Included Accessories: Instruction Manual Serial Interface Cable Software CD Test report Power line cord IT-E132B USB to TTL serial converter Compatibility & Software: Software: PV1785B-1788 Software (Supports Windows 7) Drivers: * IT-E132 and IT-E132B USB Cable Adapter Driver (v1.14.0) * Python Setup Package (V1.00) * NI Certified LabVIEW 2012 SP1 Driver * NI Certified LabVIEW 8.0 Driver * Python Library (V1.00) Note: The BK Precision 1786B has been discontinued and replaced by the BK Precision 9201B. Why Choose Aumictech for BK Precision 1786B? At Aumictech, we specialize in sourcing and supplying reliable electronic test and measurement equipment. Whether you need to procure a legacy instrument like the BK Precision 1786B for ongoing projects, require a stable power source for laboratory testing, or seek to integrate solid power solutions into your enterprise systems, our team ensures you receive equipment that meets stringent technical requirements.

1786B Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Programmable DC volts class per 1786B datasheet
Output Current Range Class	Programmable amperes class per 1786B datasheet
Operating Modes	Constant voltage and constant current
Metering	Front panel voltage and current meters
Protection	Current limiting and overload protection class
Ripple Class	Low ripple laboratory supply class
Regulation Class	Laboratory supply regulation class
Form Factor	Benchtop DC supply
Primary Power	AC mains laboratory supply class
Cooling	Forced air cooling class
Output Binding Posts	Front panel binding posts
Series Family	BK family laboratory DC supplies
Applications Class	Bench DC power
Display Type Class	Analog or digital meters by revision
Weight Class	Benchtop supply weight
Isolation	Output floating relative to chassis class
Current Limit	Adjustable current limiting
Temperature Operation Class	Continuous operation within ratings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Series Parallel Class	Two supplies may be series or parallel connected class
Voltage Controls Class	Front panel adjust class
Programming Interface Class	GPIB USB or RS232 class
Memory	Stored setup locations class

PARAMETER	VALUE
Humidity	Class: Up to 80 percent noncondensing class

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

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