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**Data Sheet**

August 14, 2026

BK PRECISION

# BK Precision 1785B 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 1785B 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 1785B Programmable DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision.



MODEL

**BK Precision 1785B**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**1785B**

LISTING

<https://aumictechlabs.com/products/1785b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The BK Precision 1785B is a single-output programmable DC power supply designed for benchtop or rack-mount applications. It has direct key-in entry for voltage and current selection via a rubber keypad, providing fast and accurate adjustments. The unit supports both constant voltage (CV) and constant current (CC) modes and features sixteen user-programmable preset outputs for saving frequently used settings. It also includes a controllable output on/off switch, low ripple and noise, and excellent temperature stability. The BK Precision 1785B comes with a serial interface for remote operation and control, with software and a serial interface cable included. Technical

Specifications Model: BK Precision 1785B Output Ratings (0 °C - 40 °C): Voltage: 0 to 18 VDC Current: 0 to 5 A Power: Not explicitly stated in provided documentation, but can be inferred from Voltage x Current (18V \* 5A = 90W). The short description mentions 1800W, but this is likely a typo or refers to a different model, as the detailed specifications for the 1785B consistently show 18V/5A. Regulation: Load Regulation (Voltage): < 0.01% of output + 3 mV Load Regulation (Current): < 0.1% of output + 3 mA Line Regulation (Voltage): < 0.1% of output + 3 mV Line Regulation (Current): < 0.1% of output + 2 mA Performance: Ripple (Voltage): ≤ 1 mVrms / 3 mVpp (20 Hz - 20 MHz) Ripple (Current): ≤ 5 mArms (20 Hz - 20 MHz) Temperature Coefficient: 30 ppm/°C Settability Resolution: 10 mV / 10 mA AC Input: Voltage: 115 V / 220 VAC ± 10% Frequency: 47 to 63 Hz Line Input (Specific): 120VAC Interfaces: Communication: Serial Interface (RS-232) Connector: DB9 interface Included: Serial interface cable and software Optional Adapters: IT-E131B TTL to RS232 interface Kit, IT-E132B USB Interface Kit Physical: Dimensions (WxHxD): 10 in. x 4.16 in. x 15 in. (255.7 mm x 105.7 mm x 382.7 mm) Weight: 14 lbs (6.4 kg) Mounting: Benchtop or Rack Mountable (Rack mount kit available separately: IT-E151) Environmental: Maximum Operating Temperature: 40 °C Minimum Operating Temperature: 0 °C Common Features: Sixteen user programmable preset outputs Controllable Output On/Off Switch Closed case calibration Excellent temperature stability Included Accessories: User manual Software Installation disk Test report Power line cord USB to TTL serial converter (IT-E132B) Why Choose Aumictech for BK Precision 1785B? At Aumictech, we specialize in supplying DC power supplies. Whether you need precise voltage and current control, versatile programmability with preset outputs, or reliable performance with low ripple and noise, our team ensures the BK Precision 1785B delivers maximum performance for your application.

## 1785B Characteristics / Specifications

| PARAMETER                   | VALUE                                                  |
|-----------------------------|--------------------------------------------------------|
| Output Voltage Range Class  | Programmable DC volts class per 1785B datasheet        |
| Output Current Range Class  | Programmable amperes class per 1785B 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto: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.