

**Aumictech**

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Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1791 DC Power Supply

The BK Precision 1791 DC Power Supply is a high-current DC laboratory power supply in the 1790/1791 family. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Low to moderate DC volts class per 1791 datasheet Output Current Range Class: High current tens of amperes class Bench DC power for lab, service, and production applications. Output Voltage Range Class: Low to moderate DC volts class per 1791 datasheet Output Current Range Class: High current tens of amperes class Operating Modes: Constant voltage and constant current class



MODEL

BK Precision 1791

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1791

LISTING

<https://aumictechlabs.com/products/1791-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1791 is a 640W single-channel, linear regulated DC power supply designed for applications requiring clean and reliable power. Its solid construction and specifications make it suitable for electronic circuit design, testing, and service environments. This power supply offers both constant voltage (CV) and constant current (CC) operation, providing flexibility for various testing scenarios. Key features include high stability, excellent regulation, and the ability to preset output voltage and current limits. Additionally, it includes a separate DC output ON/OFF switch for added control and a remote sensing facility to compensate for voltage drops in the load leads. The unit can be operated on a benchtop or mounted in a standard 19-inch rack. Technical Specifications Output Characteristics Voltage Output: 0 to 64 VDC, continuously variable with

coarse and fine controls. Current Output: 0 to 10 A, continuously variable with coarse and fine controls. Maximum Power: 640 W. Constant Voltage (CV) Mode Line Regulation: Less than $\pm 0.01\% \pm 2$ mV. Load Regulation: Less than $\pm 0.01\% \pm 2$ mV. Ripple and Noise (20 Hz - 20 MHz): Less than 1 mV rms. Constant Current (CC) Mode Line Regulation: Less than $\pm 0.05\% \pm 10$ mA. Load Regulation: Less than $\pm 0.05\% \pm 10$ mA. Ripple and Noise (20 Hz - 20 MHz): 3 mA rms. General Specifications Stability (Total drift within 8 hours after warm-up under constant line, load, and temperature): $\pm 0.2\% \pm 10$ mV in CV mode; $\pm 0.5\% \pm 10$ mA in CC mode. Operating Temperature: 32 to 104 °F (0 to 40 °C). Input Voltage: 120 / 230* VAC $\pm 10\%$, 47-63 Hz. (Note: 230 VAC input requires modification requested at time of order for model 1791, or model 1791EXD should be requested). Dimensions (W x H x D): 19" x 5.24" x 15.75" (483 x 133 x 400 mm). Panel Meters: Automatic overload and short circuit protection. Output voltage and current are continuously monitored on two front panel meters. Features Operation Modes: Constant voltage (CV) and constant current (CC) operation. Regulation: High stability and excellent regulation. Close regulation $\pm 0.01\%$. Output Control: Separate output ON/OFF switch. Facility for presetting the output voltage and max. load current limits. Remote Features: Remote sensing to compensate for voltage drop in load leads. External analog programming interface. Remote programming facility. Safety/Compliance: Meets CE Specifications. Physical Form Factor: Suitable for bench operation or standard 19" rack operation. Display: LED indicators. Accessories Included: User manual and power cord. Optional: Power Supply Test Leads Set (TLPS) is available, which includes medium and large insulated alligator clips, black and red components, and sense leads. Why Choose Aumictech for BK Precision 1791? At Aumictech, we specialize in supplying high-end electronic test and measurement equipment. Whether you need reliable and clean power for complex circuit designs, precise testing for product validation, or solid solutions for laboratory applications, our team ensures the BK Precision 1791 delivers maximum performance for your application.

1791 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Low to moderate DC volts class per 1791 datasheet
Output Current Range Class	High current tens of amperes class
Operating Modes	Constant voltage and constant current class
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	Convection cooled 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
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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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
Notes	
From BK Precision 1791 DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision.	

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.