

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BK PRECISION

BK Precision 1710 DC Power Supply

The BK Precision 1710 is a single-channel, general-purpose DC power supply range of electronic servicing, engineering, educational, and production testing applications. This reliable and durable instrument offers precise voltage and current control, with adjustable coarse and fine settings for both parameters. It operates in both Constant Voltage (CV) and Constant Current (CC) modes, with a smooth and automatic crossover between them. The BK Precision 1710 features built-in metering for real-time monitoring of output voltage and current, and includes adjustable current limiting for circuit protection. Its isolated output provides flexibility in connectivity, and it works with continuous duty at full load without overheating. Aumictech offers NIST-traceable calibration and repair for the BK Precision 1710 BK. All calibrations are performed to NIST-traceable standards and ship with a cert



MODEL

**BK Precision 1710
BK**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1710 BK

LISTING

<https://aumictechlabs.com/products/1710-bk-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BK Precision 1710 is a single-channel, general-purpose DC power supply range of electronic servicing, engineering, educational, and production testing applications. This reliable and durable instrument offers precise voltage and current control, with adjustable coarse and fine settings for both parameters. It operates in both Constant Voltage (CV) and Constant Current (CC) modes, with a smooth and automatic crossover between them. The BK Precision 1710 features built-in

metering for real-time monitoring of output voltage and current, and includes adjustable current limiting for circuit protection. Its isolated output provides flexibility in connectivity, and it works with continuous duty at full load without overheating. Technical Specifications Electrical Output * Number of Outputs: 1 Output Voltage Range: 0 VDC to 30 VDC Output Current Range: 0 A to 1 A Output Power: 30 W, 70 W Regulation: Excellent regulation Ripple: Very low ripple Output Mode: Constant Voltage (CV) and Constant Current (CC) with smooth, automatic crossover Current Limiting: Adjustable from 5% to 100% of maximum output current. Two current ranges (High/Low) are available for improved current settability and meter resolution at lower current values. Pre-regulator: Incorporated to reduce internal power dissipation at low output voltages Input Specifications * Input Voltage: 120 VAC, 220 VAC, 230 VAC, 240 VAC Input Frequency: 60 Hz Electrical Protection * Overload Protection: Fully overload protected Reverse Polarity Protection: Included User Interface & Controls * Display: 3 3/4 digit LED display [short description] (Note: Multiple sources mention analog meters, while the short description specifies an LED display. Analog meters are more frequently cited) Controls: Rotary knobs for voltage and current control [short description], coarse and fine controls for voltage adjustment, current control/adjustment knob Metering * Panel Meters: Two large, easy-to-read panel-mounted meters continuously monitor output voltage and current. Interfaces * Output Terminals: Isolated output, allowing either polarity to be floated or grounded. Physical Characteristics * Dimensions (H x W x D): 6.2 in. x 5.5 in. x 12.5 in. Weight: 8 lbs Cooling: Cooling fan to prevent overheating Environmental * Operating Temperature: 0° to +40°C Operating Humidity: <75% RH Storage Temperature: -15° to +70°C Storage Humidity: <85% RH Configuration Options * Series Connection: Two units can be connected in series to provide a 0-to-60 volt output. Parallel Connection: Two units can be connected in parallel (with suitable balancing resistors) to double the output current. Why Choose Aumictech for the BK Precision 1710? At Aumictech, we specialize in supplying high-end DC power supply equipment. Whether you need precise voltage and current regulation for complex circuit testing, reliable and durable performance for continuous operation, or flexible connectivity options for diverse lab setups, our team ensures the BK Precision 1710 delivers maximum performance for your application.

1710BK Characteristics / Specifications

PARAMETER	VALUE
Model	1710
Also Known As	1710 BK
Instrument Type	Benchtop DC power supply
Voltage Range	0 to 30 V
Current Range	0 to 1 A
Modes	constant voltage and constant current
Meters	analog voltmeter and ammeter
Line Regulation Class	0.01 percent plus 3 mV on the 1710 family
Load Regulation Class	0.01 percent plus 3 mV on the 1710 family
Ripple Class	1 mV rms class
Voltage Controls	coarse and fine
Protection	current limit and reverse polarity
Ac Input	115/230 VAC selectable
Family	B&K 1710 / 1711
Manufacturer	B&K Precision
Form Factor	compact benchtop
Application Class	general-purpose bench DC
Literature	B&K Precision 1710/1711 family literature
System Role	30 V 1 A laboratory supply
Use Case	analog circuit bias
Documentation Type	OEM 1710 family listing
Output Class	single 0-30 V 0-1 A
Meter Class	analogVandAControl Class: front-panel coarse/fine
Sibling	1711 with auxiliary 5 V rail on some listings

1710BK Specifications

PARAMETER	VALUE
BK Precision 1710 0 to 30 V 0 to 1 A DC Power Supply	Overview
Applications	General-purpose 30 V / 1 A bench power for analog circuits, student labs, and service.
Key Features	0 to 30 V, 0 to 1 A CV/CC
Technical Specifications	Model: 1710

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

From B&K Precision 1710/1711 family literature (0-30 V, 0-1 A, CV/CC, analog meters, 0.01 percent+3 mV class, 1 mV rms class, 115/230 VAC). Confirm meter scale and exact ripple on the installed 1710 faceplate.

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.