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Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1670 DC Power Supply

The BK Precision 1670 DC Power Supply is a laboratory DC supply for education and service. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1670 datasheet Output Current Range Class: Ampere class per 1670 datasheet Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1670 datasheet Output Current Range Class: Ampere class per 1670 datasheet Operating Modes: Constant voltage and constant current class



MODEL

BK Precision 1670

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1670

LISTING

<https://aumictechlabs.com/products/1670-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1670A is a triple-output DC power supply designed for a variety of electronic applications, including servicing, laboratory use, and hobbyist projects. It features one main variable output and two fixed outputs, offering flexibility for different power requirements. The variable output can be adjusted from 0 to 30 VDC and 0 to 3 ADC, with constant voltage (CV) and constant current (CC) operation modes. The unit also provides fixed outputs of 12 VDC at 0.5A and 5 VDC at 0.5A. Technical Specifications General Manufacturer: BK Precision Model: 1670A Type: Triple-Output DC Power Supply Outputs: 3 Electrical Specifications * Variable Output: * Voltage: 0 to 30 VDC * Current: 0 to 3 ADC * Line Regulation: $\leq 0.05\% + 10 \text{ mV}$ (main output) * Load Regulation: $\leq 0.05\% + 10 \text{ mV}$ (main output) * Ripple & Noise: Specifications vary by output

(refer to manual for details) * Operation Modes: Constant Voltage (CV) and Constant Current (CC) * Fixed Outputs: * Output 1: 12 VDC at 0.5 ADC (500 mA) * Output 2: 5 VDC at 0.5 ADC (500 mA) * Line Regulation (Fixed Outputs): $\leq 1\%$ * Load Regulation (Fixed Outputs): $\leq 1\%$ Protection Features Short circuit protection Reverse polarity protection Overvoltage protection (mentioned in relation to 1670A) Current limiting Metering Display: Digital LED or LCD meters for voltage and current monitoring on the main output. * Voltage Resolution: 0.1 V * Current Resolution: 0.01 A Interfaces Output Terminals: * Main Variable Output: Positive (+) and Negative (-) terminals. * Fixed Outputs: Positive (+) and Negative (-) terminals for each fixed output. Physical Specifications Dimensions (H x W x D): Approximately 4.9 in. x 8.5 in. x 9.5 in. Operating Temperature: 0° to 40°C Storage Temperature: -15° to 70°C Humidity: Less than 80% R.H. (operating and storage, refer to manual for precise conditions) Compatibility Applications: * General electronic servicing * School electronics laboratories * Hobbyist projects * Powering circuit boards during troubleshooting * Bench testing and development Documentation Manuals and datasheets are available from the manufacturer (BK Precision). Why Choose Aumictech for BK Precision 1670A? At Aumictech, we specialize in supplying high-end electronic test and measurement equipment. Whether you need a reliable triple-output DC power supply for complex lab experiments, solid solutions for enterprise-level testing, or precise equipment for educational institutions, our team ensures the BK Precision 1670A delivers maximum performance for your application.

1670 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Adjustable DC volts class per 1670 datasheet
Output Current Range Class	Ampere class per 1670 datasheet
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	
Specifications	
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Isolation	Output floating relative to chassis class
Current Limit	Adjustable current limiting
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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 1670 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.