

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

BK PRECISION

BK Precision 1711 Output Power supply

The BK Precision 1711 (1711) provides a general-purpose DC power supply with continuously adjustable regulated output for bench and service applications, dual analog metering, and selectable constant-voltage or constant-current operation. Bench testing of analog and digital circuits; component characterization requiring adjustable DC bias; service and repair power for low-to-moderate current loads; education and laboratory prototyping. Metering: Dual analog meters (voltage and current) Voltage Regulation (typical class): load and line regulation $\leq 0.01\%$ + 3 mV; ripple ≤ 1 mV rms Current Regulation (typical class): load and line regulation $\leq 0.2\%$ + 3 mA; ripple ≤ 3 mA rms Specified for operation from nominal AC mains input per BK Precision 1711 manual. Allow adequate ventilation; do not exceed 60 V / 2 A simultaneous output limits (120 W envelope).



MODEL

BK Precision 1711

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1711

LISTING

<https://aumictechlabs.com/products/1711-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1711 is a dual-range DC power supply delivering 0–60 VDC at 0–2 A continuous output. Built for laboratory, educational, and industrial test environments, it combines precise voltage and current regulation with dual-mode operation (constant voltage and constant current) and comprehensive protection. The front panel hosts two large analog meters, coarse/fine voltage controls, and selectable current ranges High (0–2 A) and Low (0–0.5 A) – for optimized resolution across applications. Automatic CV/CC crossover with LED status indication simplifies setup and

load testing. Line and load regulation holds to $\leq 0.01\% + 3 \text{ mV}$ in CV mode, while current limiting adjusts from 5% to 100% of maximum. Reverse polarity, overvoltage, and short-circuit protection guard against common faults. A pre-regulator reduces dissipation at lower output voltages, extending operating life. The unit accepts 120, 220, 230, or 240 VAC input and operates from 0 to +40 °C at $\leq 75\%$ RH, with full-load rating to +25 °C.

Technical Specifications

Voltage & Current
Output voltage: 0–60 VDC, continuously variable with coarse and fine controls
Output current: 0–2 A continuous duty
Dual current ranges: High (0–2 A), Low (0–5 A), each with independent control and meter scaling

Regulation Performance
Constant voltage (CV): Line regulation $\leq 0.01\% + 3 \text{ mV}$ (120 VAC $\pm 10\%$); Load regulation $\leq 0.01\% + 3 \text{ mV}$; Ripple & noise $\leq 1 \text{ mV RMS}$; Recovery time $\leq 100 \mu\text{s}$; Temperature coefficient $\leq 300 \text{ ppm}/^\circ\text{C}$
Constant current (CC): Line regulation $\leq 0.2\% + 3 \text{ mA}$; Load regulation $\leq 0.2\% + 3 \text{ mA}$; Current ripple $\leq 3 \text{ mA RMS}$; Adjustable 5%–100% of max current

Metering & Display
Two panel-mounted analog meters for voltage and current monitoring
Ammeter accuracy: $\pm 2.5\%$

Protection & Crossover
Current limiting: 5%–100% of max output
Reverse polarity, overvoltage, and short-circuit protection included
Automatic CV/CC crossover with front-panel LED indicators

Key Features
Pre-regulator minimizes internal dissipation at reduced output voltages
Dual current ranges enhance settability and meter resolution for precision applications
Smooth automatic mode crossover with visual status indication
Industry-standard output terminals: red positive, black negative, green ground

Typical Applications
Component characterization and burn-in testing
Educational lab work and circuit development
Industrial equipment bench support
Current-limited device testing and power sequencing

Compatibility & Integration
Input: 120, 220, 230, or 240 VAC
Operating environment: 0–40 °C, $\leq 75\%$ RH; full load to +25 °C; current derated 0.05 A/°C above +25 °C
Standard output terminals for direct load connection

Features & description

From manufacturer datasheet

Features

- Output 0 to 60 V DC, continuously adjustable (coarse and fine)
- Output 0 to 2 A continuous duty at full current
- High/low current range switch: 0–2 A or 0–0.5 A for improved low-current settability
- Constant voltage or constant current operation
- Adjustable current limiting from 5% to 100% of maximum output
- Dual analog meters for voltage and current monitoring
- 120 W maximum output power class

1711 Characteristics / Specifications

PARAMETER	VALUE
Model	1711
Manufacturer	BK Precision
Instrument Type	DC Power Supply
Output Voltage	0 to 60 V DC (continuously variable)
Output Current	0 to 2 A (high range); 0 to 0.5 A (low range)
Maximum Power	120 W
Operating Modes	Constant voltage (CV) and constant current (CC)
Current Limit Adjustment	5% to 100% of maximum output current
Metering	Dual analog meters (voltage and current)
Voltage Regulation (typical class)	load and line regulation $\leq 0.01\% + 3 \text{ mV}$; ripple $\leq 1 \text{ mV rms}$
Current Regulation (typical class)	load and line regulation $\leq 0.2\% + 3 \text{ mA}$; ripple $\leq 3 \text{ mA rms}$ Standard Operating Conditions Specified for operation from nominal AC mains input per BK Precision 1711 manual. Allow adequate ventilation; do not exceed 60 V / 2 A simultaneous output limits (120 W envelope).
Use the low current range (	0.5 A) when setting and monitoring small load currents for improved resolution. Verify CV/CC crossover behavior when testing devices with varying load impedance. Alias 1711 (hyphenless) may appear in inventory listings.
High/low current range switch	0–2 A or 0–0.5 A for improved low-current settability
Maximum output power	class

1711 Specifications

PARAMETER	VALUE
BK Precision 1711 Output Power supply	Overview
Key Features	- Output 0 to 60 V DC, continuously adjustable (coarse and fine)
Technical Specifications	Model: 1711

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

PARAMETER	VALUE
Model	1711
Manufacturer	BK Precision
Instrument Type	DC Power Supply
Output Voltage	0 to 60 V DC (continuously variable)
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Current Limit Adjustment	5% to 100% of maximum output current
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Voltage Regulation (typical class)	load and line regulation $\leq 0.01\% + 3\text{ mV}$; ripple $\leq 1\text{ mV rms}$
Current Regulation (typical class)	load and line regulation $\leq 0.2\% + 3\text{ mA}$; ripple $\leq 3\text{ mA rms}$

Standard Operating Conditions

Specified for operation from nominal AC mains input per BK Precision 1711 manual. Allow adequate ventilation; do not exceed 60 V / 2 A simultaneous output limits (120 W envelope).

Operational Notes

Use the low current range (0–0.5 A) when setting and monitoring small load currents for improved resolution. Verify CV/CC crossover behavior when testing devices with varying load impedance. Alias 1711 (hyphenless) may appear in inventory listings.

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

788 S 500 E, Pleasant Grove, UT 84062
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.