Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 14, 2026

BK PRECISION

BK Precision 1735A DC Power Supply

BK Precision 1735A Digital DC Power Supply The BK Precision 1735A isasingle-output linear DC laboratory power supply providing 0 to 30 VDC and 0 to 3 A with dual 4-digit LED meters. OEM manuals list excellent line/load regulation, low ripple, and smooth automatic CV/CC crossover. General purpose bench DC power for analog and digital circuit development, education, and service. Dual 4 digit LED voltage and current meters The BK Precision 1735A isasingle-output linear DC laboratory power supply providing 0 to 30 VDC and 0 to 3 A with dual 4-digit LED meters. OEM manuals list excellent line/load regulation, low ripple, and smooth automatic CV/CC crossover. General purpose bench DC power for analog and digital circuit development, education, and service. Dual 4 digit LED voltage and current meters Constant voltage and constant current operation

MODEL **BK Precision 1735A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **1735A**	LISTING **https://aumictechlabs.com/products/1735a-2/**

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1735A is a single-output, digital DC power supply designed for laboratory and production environments. It has adjustable voltage and current with coarse and fine controls, featuring dual 4-digit LED displays for simultaneous monitoring of output voltage and current. This unit operates in both constant voltage (CV) and constant current (CC) modes, with automatic and smooth crossover between them, indicated by LEDs. The design incorporates a pre-regulator to minimize internal power dissipation at lower output voltages. For increased power capabilities,

two 1735A units can be connected in parallel to double the current output or in series to double the voltage output. Protection features include current limiting, reverse polarity, and overvoltage protection. Technical Specifications Electrical: * Number of Outputs: 1 Output Voltage Range: 0 to 30 VDC Output Current Range: 0 to 3 ADC Power Rating: 90 W (Note: Some sources indicate a power consumption of 180W) Input Voltage: 120 VAC, 60 Hz Line Voltage Conversion Switch: 110/220 VAC selectable Performance: * Constant Voltage (CV) Regulation: * Line Regulation: ≤ 0.01% + 3 mV * Load Regulation: ≤ 0.01% + 3 mV Constant Current (CC) Regulation: * Line Regulation: ≤ 0.2% + 3 mA * Load Regulation: ≤ 0.2% + 3 mA Ripple and Noise: * Voltage Ripple (RMS): < 1 mV * Voltage Ripple (Peak-to-Peak): 2 mV * Current Ripple (RMS): ≤ 3 mArms (Typically 3mA) Recovery Time: 100 µs typical Accuracy: * Voltmeter: (0.5% + 9 digits)* * Ammeter: (0.5% + 9 digits)* Temperature Coefficient: 300 PPM/°C (for voltage and current) Modes of Operation: * Constant Voltage (CV) Constant Current (CC) Automatic and smooth crossover between CV and CC modes. CV/CC Indicators: LEDs display the current mode of operation (Green for CV, Red for CC). Controls: * Coarse and fine voltage adjustment knobs. Coarse and fine current adjustment knobs. Displays: * Dual 4-digit LED displays. * Green LED display for voltage monitoring. * Red LED display for current monitoring. Protection Features: * Current Limiting Protection Reverse Polarity Protection Overvoltage Protection Overload Protection Short Circuit Protection Interfaces * Output Terminals: Standard binding posts for connections. Front Panel Controls: Knobs for voltage and current adjustment, mode indicators. Rear Panel: Fuse holder, power cord input, Line Voltage Conversion Switch. Physical * Dimensions (H x W x D): 6.2 in. x 5.5 in. x 12.5 in. (157.48 mm x 139.70 mm x 317.50 mm) Weight: Approximately 10.5 lbs (5 kg) Mounting Type: Benchtop Cooling: Internal cooling fan to prevent overheating Compatibility * Series Operation: Two 1735A units can be connected in series to double the voltage output. Parallel Operation: Two 1735A units can be connected in parallel to double the current output. Accessories: * TL 5A: 5A Hook-Up Cable Set (4mm Banana plug to alligator clip, 5A rating, 40" / 1.0m length) * TLPS: Power Supply Test Leads Set (Includes medium and large insulated alligator clips, sense lead) * TLPWR31: 100 cm Premium Spade Connector Test Lead Set (6/4 mm Spade lug, 30 A rated) * TLPWR32: 200 cm Premium Spade Connector Test Lead Set (6/4 mm Spade lug, 30 A rated) Certifications: UL Approved for USA and Canada Why Choose Aumictech for BK Precision 1735A? At Aumictech, we specialize in supplying high-end electronic test and measurement equipment. Whether you need reliable DC power for demanding laboratory testing, precise voltage and current for product development, or solid performance for manufacturing applications, our team ensures the BK Precision 1735A delivers maximum performance for your application.

1735A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range	0 to 30 VDC
Output Current Range	0 to 3 A
Line Regulation Voltage 108 to 132 V	0.01 percent plus 3 mV
Load Regulation Voltage	0.01 percent plus 3 mV
Recovery Time Typical	100 microseconds
Ripple Voltage Peak To Peak Typical	2 mV
Ripple Voltage RMS	1 mV
Temperature Coefficient 0 to 35 C	300 ppm perCCurrent Limit Adjustable Range: 5 percent to 100 percent
Line Regulation Current	0.2 percent plus 3 mA
Load Regulation Current	0.2 percent plus 3 mA
Current Ripple Typical	3 mA
Voltmeter Range	0 to 99.99 V
Voltmeter Accuracy	0.5 percent plus 9 digits
Ammeter Range	0 to 9.999 A
Ammeter Accuracy	0.5 percent plus 9 digits
Power Consumption At Full Load	approximately 180 W or less
AC Input Domestic	120 VAC plus or minus 10 percent, 60 Hz
AC Input International Class	120/220/230/240 VAC 50/60 Hz class
Protection	Reverse polarity protection and current limiting
Dimensions Class HxWxD	6.2 × 5.5 × 12.5 inch class
Operating Mode Indicators	CV and CC LEDs

1735A Specifications

PARAMETER	VALUE
BK Precision 1735A Digital DC Power Supply	Overview
Key Features	Dual 4 digit LED voltage and current meters
Technical Specifications	Output Voltage Range: 0 to 30 VDC
Notes	From BK Precision Model 1735A OEM manual specification section. Meter accuracy note references OEM note 1 in the published manual.

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
Output Voltage Range	0 to 30 VDC
Output Current Range	0 to 3 A
Line Regulation Voltage 108 to 132 V	0.01 percent plus 3 mV
Load Regulation Voltage	0.01 percent plus 3 mV
Recovery Time Typical	100 microseconds
Ripple Voltage Peak To Peak Typical	2 mV
Ripple Voltage RMS	1 mV
Temperature Coefficient 0 to 35 C	300 ppm perCCurrent Limit Adjustable Range: 5 percent to 100 percent
Line Regulation Current	0.2 percent plus 3 mA
Load Regulation Current	0.2 percent plus 3 mA
Current Ripple Typical	3 mA
Voltmeter Range	0 to 99.99 V
Voltmeter Accuracy	0.5 percent plus 9 digits
Ammeter Range	0 to 9.999 A
Ammeter Accuracy	0.5 percent plus 9 digits
Power Consumption At Full Load	approximately 180 W or less
AC Input Domestic	120 VAC plus or minus 10 percent, 60 Hz
AC Input International Class	120/220/230/240 VAC 50/60 Hz class
Protection	Reverse polarity protection and current limiting
Dimensions Class HxWxD	6.2 x 5.5 x 12.5 inch class
Operating Mode Indicators	CV and CC LEDs

Notes
From BK Precision Model 1735A OEM manual specification section. Meter accuracy note references OEM note 1 in the published manual.

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

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026