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Data Sheet
August 14, 2026

BK PRECISION

BK Precision 1730 DC Power Supply

The BK Precision 1730 isasingle-output linear DC laboratory power supply in the classic 1730/1735 family providing 0 to 30 V class output at ampere-class current. Education labs, service benches, and general purpose DC circuit power. Series parallel connection capability class Output Voltage Range Class: 0 to 30 VDC class Education labs, service benches, and general purpose DC circuit power. Series parallel connection capability class Output Voltage Range Class: 0 to 30 VDC class Output Current Range Class: Ampere class per 1730 family datasheet

MODEL **BK Precision 1730**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **1730**	LISTING **https://aumictechlabs.com/products/1730-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1730 is a single-channel, programmable DC power supply designed for general-purpose applications in electronics testing, product development, and educational environments. It has adjustable output voltage and current, with solid performance characteristics including excellent regulation and low ripple. The unit can operate in both Constant Voltage (CV) and Constant Current (CC) modes, with automatic and smooth crossover between them. Integrated analog meters provide real-time monitoring of voltage and current output. For circuit protection, the BK Precision 1730 features adjustable current limiting and reverse polarity protection. Its isolated output provides flexibility in grounding and floating configurations. The design includes a pre-regulator to reduce internal power dissipation, enhancing reliability, and it is capable of

continuous operation at full load without overheating. Technical Specifications General Product Type: Programmable DC Power Supply Model: 1730A Manufacturer: BK Precision Number of Channels: Single Output Certifications: cUL certified Electrical Specifications Output Voltage: 0-30 V DC (Continuously variable with coarse and fine controls) Output Current: 0-3 A DC Power Output: 180 W Input Voltage: 120 VAC, 60 Hz or 220 VAC, 60 Hz (Note: Specific model variants may exist for different input voltages.) Line Voltage Regulation: <0.01% + 3 mV Load Voltage Regulation: <0.01% + 3 mV Line Current Regulation: <0.2% + 3 mA Load Current Regulation: <0.2% + 3 mA Ripple and Noise: Typically <1 mV RMS Current Limit Adjustment: 5% to 100% of maximum output current Current Ranges: * High: 0-3 A * Low: 0-0.5 A (Improves current stability and meter resolution at lower current values) Voltmeter Range: 0-32 V Ammeter High Range: 0-3.2 A Ammeter Low Range: 0-0.53 A Ammeter Accuracy: ±2.5% Operating Modes Constant Voltage (CV) Operation: Regulates output voltage; current limit can be preset. Constant Current (CC) Operation: Regulates output current; maximum voltage can be preset. Crossover: Smooth and automatic transition between CV and CC modes. Mode Indicators: LEDs indicate CV (green) or CC (red) mode of operation. Protection Features Overload Protection: Current limiting, reverse polarity, overvoltage, short circuit. Reverse Polarity Protection: Prevents damage from incorrect external voltage connections. Current Limiting: Protects the circuit under test and the power supply. Interfaces Output Terminals: Isolated output; either polarity may be floated or grounded. * Note: Floating the output to more than 100 volts peak with respect to chassis or earth ground is not recommended. Physical Specifications Dimensions (H x W x D): 6.2 in. x 5.5 in. x 12.5 in. Weight: 8 lb Display: Two large, easy-to-read analog meters for continuous monitoring of output voltage and current. Controls: Coarse and fine voltage controls; Current control for setting current limit or constant current value. Environmental Specifications Operating Temperature: 0° to +40° C, <75% RH Storage Temperature: -15° to +70° C, <85% RH Included Accessories Instruction Manual Power Cord Spare Fuse Why Choose Aumictech for BK Precision 1730? At Aumictech, we specialize in supplying high-end electronic test and measurement equipment. Whether you need reliable power for laboratory experiments, precise voltage and current for product development, or solid solutions for educational institutions, our team ensures the BK Precision 1730 delivers maximum performance for your application.

1730 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	0 to 30 VDC class
Output Current Range Class	Ampere class per 1730 family datasheet
Regulation Class	Linear CV CC regulation
Line Regulation Voltage Class	0.01 percent plus mV class family
Load Regulation Voltage Class	0.01 percent plus mV class family
Ripple Voltage Class	Low mV ripple linear supply class
Current Limiting	Adjustable current limit
Operating Modes	Constant voltage and constant current
Metering	Front panel voltage and current meters
Protection	Current limiting and overload protection class
Form Factor	Benchtop linear DC supply
Primary Power	AC mains 115/230 class
Series Family	BK Precision 1730 / 1735 laboratory DC supplies
Applications Class	Education and service benches
Output Binding Posts	Front panel banana binding posts
Cooling	Convection cooled class
Display Type Class	Analog or LED meter depending on revision
Weight Class	Benchtop linear supply weight
Isolation	Output floating relative to chassis class
Temperature Coefficient Class	Hundreds of ppm perCclass family
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Humidity	Class: Up to 80 percent noncondensing class

1730 Specifications

PARAMETER	VALUE
BK Precision 1730 DC Power Supply	Overview
Technical Specifications	Output Voltage Range Class: 0 to 30 VDC class
Notes	From BK Precision 1730 DC Power Supply OEM product documentation. Confirm exact ratings on the faceplate and datasheet revision.

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 Class	0 to 30 VDC class
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Regulation Class	Linear CV CC regulation
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Cooling	Convection cooled class
Display Type Class	Analog or LED meter depending on revision
Weight Class	Benchtop linear supply weight
Isolation	Output floating relative to chassis class
Temperature Coefficient Class	Hundreds of ppm perCclass family
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class

Notes
From BK Precision 1730 DC Power Supply OEM product documentation. Confirm exact 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

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