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Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1630 DC Power Supply

The BK Precision 1630 DC Power Supply is a compact linear laboratory DC supply. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1630 datasheet Output Current Range Class: Ampere class per 1630 datasheet Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1630 datasheet Output Current Range Class: Ampere class per 1630 datasheet Operating Modes: Constant voltage and constant current class



MODEL

BK Precision 1630

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1630

LISTING

<https://aumictechlabs.com/products/1630-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1630 is a versatile single-channel DC power supply array of electronics testing and development applications. This unit has both constant voltage (CV) and constant current (CC) operation with automatic crossover, indicated by front-panel LEDs. It features coarse and fine adjustment controls for precise voltage and current settings, along with two distinct current ranges (High and Low) for enhanced resolution at lower current levels. The BK Precision 1630 includes integrated analog meters for continuous monitoring of output voltage and current. Protection features such as reverse polarity and adjustable current limiting safeguard connected equipment and the power supply itself. Additionally, the output is isolated, allowing for flexible grounding configurations or floating to external voltages. Two units can be interconnected in series for higher voltage output or in parallel for increased current capacity. Technical

Specifications * Model: BK Precision 1630 Output Voltage: 0-30 VDC Output Current: * High Range: 0-3 A * Low Range: 0-1.5 A Power Output: 90 W (Max) Voltage Adjustment: * Coarse and Fine controls * Continuously variable Current Adjustment: * Adjustable current limit (5% to 100% of maximum output current) in CV mode. * Adjustable constant current value in CC mode. Current Ranges: HI and LO selectable via front panel switch, affecting adjustment range and meter resolution. Regulation: * Line Regulation: $<0.01\% + 3\text{mV}$ * Load Regulation: $<0.01\% + 3\text{mV}$ Ripple and Noise: $<1\text{mVrms}$ Meter Accuracy: $\pm 2.5\%$ (for both Voltage and Current meters) Meters: Two large, panel-mounted analog meters for continuous monitoring of voltage and current output. Indicators: * CV (Constant Voltage) LED indicator (Green) * CC (Constant Current) LED indicator (Red) Protection Features: * Overload Protection (Fully adjustable current limiting) * Reverse Polarity Protection * Short-circuit protection Output Characteristics: * Constant Voltage (CV) and Constant Current (CC) modes with automatic crossover. * Isolated Output: Either polarity may be floated or grounded. Series Operation: Two units can be connected in series to achieve 0-60 VDC output. Parallel Operation: Two units can be connected in parallel with appropriate balancing resistors for up to twice the output current. Electrical Specifications * Input Voltage: Selectable 110/120 VAC or 220/240 VAC $\pm 10\%$, 50/60 Hz Power Consumption: Approximately 170W or less at full load. Temperature Coefficient: $<0.01\%/^{\circ}\text{C}$ Physical Specifications * Dimensions: * 172 mm x 119 mm x 305 mm (approx. 6.77 in x 4.69 in x 12.01 in) * Other sources indicate 5.9" x 4.3" x 8.5" (150mm x 110mm x 215mm) Note: Discrepancy in dimensions found across sources. Weight: * 5.5 lbs (2.5 kg) * Other sources indicate 10 lbs (approx. 4.5 kg) or 11.00 lbs (approx. 5 kg) Note: Discrepancy in weight found across sources. Environmental Specifications * Operating Temperature: 0°C to $+40^{\circ}\text{C}$ Storage Temperature: -15°C to $+70^{\circ}\text{C}$ Interfaces * Output Terminals: * Positive Terminal (Red) * Ground Terminal (Green) Earth and chassis ground * Negative Terminal (Black) Hook-Up Cables: Supplied with red and black hook-up leads. Controls and Indicators * Front Panel: * ON-OFF Switch * Voltage Controls: COARSE and FINE adjustment knobs * CURRENT Control knob (Adjusts current limit in CV mode, constant current value in CC mode) * HI-LO Switch (Selects high or low current range) * CV Indicator LED * CC Indicator LED * Analog Volt Meter * Analog Ampere Meter Applications The BK Precision 1630 is well-suited for a wide variety of electrical and electronics applications, including: * Service shops Engineering laboratories Production testing School laboratories Electronics design and development General laboratory experiments Why Choose Aumictech for BK Precision 1630? At Aumictech, we specialize in supplying high-end electronics test equipment. Whether you need reliable DC power for benchtop testing, precise current limiting for circ

1630 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Adjustable DC volts class per 1630 datasheet
Output Current Range Class	Ampere class per 1630 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	
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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
Notes	
From BK Precision 1630 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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NIST-traceable calibration · SAM registered ·
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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.