

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

BK PRECISION

BK Precision 9141 Programmable DC Power Supply

Series Parallel Class: Two supplies may be series or parallel connected class Voltage Controls Class: Front panel adjust class Programming Interface Class: GPIB USB or RS232 class From BK Precision 9141 Programmable DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision. Voltage Controls Class: Front panel adjust class Programming Interface Class: GPIB USB or RS232 class From BK Precision 9141 Programmable DC Power Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision.



MODEL

BK Precision 9141

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

9141

LISTING

<https://aumictechlabs.com/products/9141-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BK Precision 9141 is a versatile triple-output, multi-range DC power supply designed for demanding B2B applications. It has three independent, floating output channels, each capable of delivering up to 100W of clean power with low ripple and noise characteristics, totaling 300W. This unit is housed in a compact 2U half-rack form factor, making it suitable for both benchtop use and integration into test systems. The multi-ranging capability allows for flexible output configurations, and channels can be combined to achieve higher voltage or current outputs as needed. Advanced features include list mode programming for complex test sequences, channel

coupling and tracking, configurable delays, and direct data logging to a USB flash drive. It also includes adjustable voltage and current slew rates, along with comprehensive protection features such as Over Voltage Protection (OVP), Over Current Protection (OCP), and Over Temperature Protection (OTP). For connectivity, the BK Precision 9141 supports USB (USBTMC-compliant) and LXI compliant LAN, with a GPIB option available for enhanced system integration. Compatibility with LabVIEW, IVI-C, and IVI.NET drivers simplifies development and integration into automated test environments.

Technical Specifications General Model: BK Precision 9141 Series: 9140 Series Manufacturer: B&K Precision Type: Triple Output, Multi-Range DC Power Supply Total Power Output: 300W Form Factor: 2U Half-Rack Mounting Type: Bench Top / Rack Mountable (RK2US Rack Mount Kit available as optional accessory) Electrical Output Specifications (Per Channel) Number of Outputs: 3 Independent, Floating Channels Maximum Output Voltage: 60 VDC Maximum Output Current: 4 A Maximum Power per Channel: 100 W Output Voltage Resolution: 1 mV Output Current Resolution: 1 mA Voltage Regulation (Line): 0.01% + 3mV Voltage Regulation (Load): 0.01% + 3mV Current Regulation (Line): 0.01% + 3mA Current Regulation (Load): 0.01% + 3mA Voltage Ripple and Noise: $\leq 2\text{mV}_{\text{rms}}$, $\leq 10\text{mV}_{\text{pp}}$ (typically down to 1mV_{rms}) Transient Response Time: 10 ms (for load change 50-100%) Rise Time: 10 ms to 20 ms (from 10% to 90% of total voltage excursion) Fall Time: 10 ms to 20 ms (from 10% to 90% of total voltage excursion) Remote Sense Compensation: 1 V Combined Output Capabilities Maximum Combined Output Voltage: Up to 180 V (by combining outputs) Maximum Combined Output Current: Up to 24 A (by combining outputs, model dependent) Protection Features Over Voltage Protection (OVP): Yes Over Current Protection (OCP): Yes Over Temperature Protection (OTP): Yes Key Lock: Yes Remote Inhibit: Supported Voltage Fault: Supported Programming and Control Programmable: Yes List Mode Programming: Advanced, easy-to-use Channel Coupling: Yes Channel Tracking: Yes Configurable Delays: Yes Adjustable Slew Rates: Voltage and Current Command Response Time: 10 ms (typical) Data Logging and Interface Direct Data Logging: To USB flash drive Interfaces: * USB (USBTMC-compliant and virtual COM) * LAN (LXI compliant, device specification 2016) * GPIB (Optional, available on 9141-GPIB model) Web Server: Built-in for remote configuration, monitoring, and control via web browser. Drivers: LabVIEW™, IVI-C, IVI.NET provided Operating Software: Included (available for download) Display Type: 4.3" LCD Display Features: Digital display for voltage and current Electrical Input Specifications Input Voltage: 100 VAC to 240 VAC $\pm 10\%$ Input Frequency: 47 Hz to 63 Hz Maximum Rated Input Power: 500 VA Power Factor: 0.98 @ 115 VAC, 0.94 @ 230 VAC Physical Specifications Dimensions (W x H x D): 8.4" x 3.5" x 13" (213 × 88 × 330 mm) Weight: 11 lbs (5 kg) Environmental and Compliance Operating Temperature: 32 °F to 104 °F (0 °C to 40 °C) Storage Temperature: 14 °F to 158 °F (-10 °C to 70 °C) Regulatory Compliance: * Safety: Low Voltage Directive (LVD) 2014/35/EU, EN61010-1:2010, cTUVus certification mark (fulfills US UL 61010-1:2012 and Canadian CAN/CSA-C22.2 NO. 61010-1-12 safety standards) * Electr

9141 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Programmable DC volts class per 9141 datasheet
Output Current Range Class	Programmable amperes class per 9141 datasheet
Operating Modes	Constant voltage and constant current
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	Forced air cooling 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
Programming Interface Class	GPIB USB or RS232 class
Memory	Stored setup locations class

PARAMETER	VALUE
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	
PARAMETER	VALUE
Output Voltage Range Class	Programmable DC volts class per 9141 datasheet
Output Current Range Class	Programmable amperes class per 9141 datasheet
Operating Modes	Constant voltage and constant current
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	Forced air cooling 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
Programming Interface Class	GPIB USB or RS232 class
Memory	Stored setup locations class

Notes

From BK Precision 9141 Programmable 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

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

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.