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Data Sheet
August 1, 2026

BK PRECISION

BK Precision 1620 DC Regulated Power Supply

BK Precision 1620 / 1620A DC Regulated Power Supply The BK Precision 1620 isasingle-output benchtop DC regulated power supply in the 1620 / 1620A family. Published OEM data for the 1620A class specify 0 to 18 V and 0 to 5 A in constant-voltage and constant-current modes, with analog metering on the 1620A generation. Load regulation is typically 0.02% + 3 mV (voltage) and +3 mA (current), with ripple on the order of 1 mVrms. Units support series/parallel connection of multiple supplies where labeled. Dimensions are approximately 205 × 115 × 270 mm at about 6 kg. The BK Precision 1620 isasingle-output benchtop DC regulated power supply in the 1620 / 1620A family. Published OEM data for the 1620A class specify 0 to 18 V and 0 to 5 A in constant-voltage and constant-current modes, with analog metering on the 1620A generation. Load regulation is typically 0.02% + 3 mV (voltage) and +3 mA (current), with ripple on the order of 1 mVrms. Units support series/parallel connection of multiple supplies where labeled. Dimensions are approximately 205 × 115 × 270 mm at about 6 kg. General-purpose bench DC power for analog and digital circuits; education and service benches needing up to 18 V / 5 A; series or parallel operation with matching BK Precision supplies when configured per the manual.

MODEL	CALIBRATION
BK Precision 1620	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
1620	https://aumictechlabs.com/products/1620-2/

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

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1620A is a single-output DC regulated power supply delivering 0–18 VDC at 0–5 ADC with 90 W capacity. Built for laboratory, industrial, field service, and telecommunications applications, it combines low-noise performance with dual analog metering and independent coarse/fine controls for precise voltage and current adjustment. The unit operates in both constant voltage and constant current modes, with line regulation of <0.02% + 3 mV across ±10% input variation and load regulation identical across no-load to full-load conditions.Output ripple and noise remain below 1 mVrms, while temperature coefficient of <300 ppm/°C ensures stable operation across temperature ranges. Current limiting protects against overload and short circuits with preset limiting values. The 1620A features comprehensive protection including reverse polarity and overvoltage safeguards, enabling continuous full-load operation without thermal shutdown.Multiple units connect in parallel via master/slave configuration for increased current capacity, or in series across the 1620A family for higher voltage output. The compact benchtop design includes positive and negative output terminals with chassis ground reference and dedicated master/slave connection points.Technical Specifications Output Voltage: 0–18 VDC Output Current: 0–5 ADC Power Rating: 90 W AC Input: 120 VAC Line Regulation (CV mode): <0.02% + 3 mV (120 VAC ±10%) Load Regulation (CV mode): <0.02% + 3 mV (no load to full load) Output Ripple & Noise: <1 mVrms Temperature Coefficient: <300 ppm/°C Output Configuration: Single output, linear regulatedKey Features Constant Voltage and Constant Current operation modes Dual analog meters for simultaneous voltage and current monitoring Independent coarse and fine adjustment controls Current limiting with preset values Full overload, short circuit, reverse polarity, and overvoltage protection Continuous full-load operation capability Parallel expandability via master/slave configuration Series expandability across 1620A family modelsTypical Applications Laboratory bench testing and development Industrial equipment commissioning Field service and troubleshooting Telecommunications equipment support Hobby and educational electronics workCompatibility & Integration Multiple units configured in master/slave parallel connection increase available output current. Series connection across compatible 1620A family supplies provides higher voltage outputs. Standard output terminals support positive, negative, and chassis ground connections.

Features & description

From manufacturer datasheet

Features

• Output 0-18 V / 0-5 A (1620A class) • Constant voltage and constant current operation • Analog meters (1620A) • Load regulation about 0.02% + 3 mV / +3 mA • Ripple about 1 mVrms • Series / parallel capable with matching units • Compact benchtop enclosure

1620 Characteristics / Specifications

PARAMETER	VALUE
Technical Specifications	BK Precision 1620 / 1620A class
Model	1620 (treat as 1620A-class ratings unless faceplate differs)
Manufacturer	BK Precision
Instrument Type	Single-output DC regulated power supply
Output Voltage	0 to 18 V DC
Output Current	0 to 5 A
Modes	Constant voltage (CV); constant current (CC)
Load Regulation	approximately 0.02% + 3 mV (CV); +3 mA (CC)
Ripple	approximately 1 mVrms
Metering	Analog (1620A)
Dimensions	approximately 205 × 115 × 270 mm
Weight	approximately 6 kg
Series/Parallel	supported per manual with matching supplies Standard Operating Conditions Do not exceed rated voltage or current. Allow ventilation. Set current limit appropriately before connecting the DUT. Verify floating vs grounded output configuration.

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

PARAMETER	VALUE
Specifications	BK Precision 1620 / 1620A class
Model	1620 (treat as 1620A-class ratings unless faceplate differs)
Manufacturer	BK Precision
Instrument Type	Single-output DC regulated power supply
Output Voltage	0 to 18 V DC
Output Current	0 to 5 A
Modes	Constant voltage (CV); constant current (CC)
Load Regulation	approximately 0.02% + 3 mV (CV); +3 mA (CC)
Ripple	approximately 1 mVrms
Metering	Analog (1620A)
Dimensions	approximately 205 x 115 x 270 mm
Weight	approximately 6 kg
Series/Parallel	supported per manual with matching supplies

Standard Operating Conditions
Do not exceed rated voltage or current. Allow ventilation. Set current limit appropriately before connecting the DUT. Verify floating vs grounded output configuration.

Operational Notes
Confirm faceplate marking 1620 vs 1620A for meter type and exact ratings. Use 1620A published figures as the verified OEM reference for the family whenaseparate 1620-only datasheet is not available.

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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