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Data Sheet

August 14, 2026

BURLEIGH

Burleigh PZ-70M High Voltage DC Amplifier

Burleigh PZ-70M High Voltage DC Amplifier, Provides stable, low-noise high voltage output for driving piezoelectric devices. Supports precise control in optical experiments and positioning systems. solid and compact for lab and industrial use.



MODEL

Burleigh PZ-70M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PZ-70M

LISTING

<https://aumictechlabs.com/products/pz-70m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Burleigh PZ-70M High Voltage DC Amplifier delivers stable, low-noise output for driving piezoelectric devices in precision positioning and optical control applications. With selectable voltage ranges up to 1000 V and a 40 dB gain stage, It has the output authority required for high-impedance piezoelectric loads across laboratory and industrial environments. Technical Specifications Output Voltage: 0–500 V (Load ≥ 50 k Ω); 0–1000 V (Load ≥ 100 k Ω) Frequency Response: DC–1 kHz Gain: 40 dB Display: 4-digit digital readout Status Indicator: Limit notification LED Control: Reset switch Key Features Dual voltage modes allow selection of output range based on load impedance, optimizing performance across different piezoelectric actuator configurations. The DC–1 kHz bandwidth accommodates quasi-static positioning and moderate-speed servo operations. A 4-digit display provides real-time voltage monitoring, while the limit LED flags output constraints during high-demand operation. Reset functionality enables safe recovery from saturation conditions. Typical Applications Precision piezoelectric actuator control

Optical alignment and beam steering Mechanical positioning systems Laboratory instrumentation requiring high-voltage piezo drive Compatibility & Integration Designed specifically for piezoelectric devices with high input impedance. Ensure actuator voltage rating matches the selected output range - do not apply the PZ-70M to actuators rated below the operating voltage. Burleigh piezoelectric actuators use LEMO connectors as standard for amplifier integration. Coordinate power supply specifications with system requirements before installation.

PZ70M Characteristics / Specifications

PARAMETER	VALUE
Bandwidth	DC to 1 kHz
Output Voltage Low Impedance Load Path	0 to 500 V at load greater than or equal to 50 kOhm
Output Voltage High Impedance Load Path	0 to 1000 V at load greater than or equal to 100 kOhm
Variable Gain	0 to 100
Variable Offset Low Range	0 to 500 V
Variable Offset High Range	0 to 1000 V
Current Limit	10 mA
Display Digits	4
Gain Example Listing	40 dB / gain 100
Input Connector	BNC female
Output Connector	BNC female
Limit Notification	LED
Reset	reset switch
Manufacturer Lineage	Burleigh / EXFO / Thorlabs
Instrument Type	high voltage DC amplifier
Form Factor	benchtop HV amplifier
Drive Target	piezoelectric actuators
Offset Control	front panel variable
Gain Control	front panel variable
Operating Use	nanopositioning piezo drive
Family	PZ-70 / PZ-70M
Shipping Mass Listing	about 10 lb
Power	AC mains powered amplifier
Protection	current limit with notification

PZ70M Specifications

PARAMETER	VALUE
Key Features	0 to 1000 V high-voltage output path
DC to 1 kHz bandwidth	4-digit digital display
Technical Specifications	Bandwidth: DC to 1 kHz

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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Notes	
From Burleigh/Thorlabs/EXFO PZ-70M high-voltage DC amplifier feature listings (Artisan Technology Group and	

Japanese calibrated used listings citing DC-1 kHz, 0-500/0-1000 V load thresholds, gain/offset, 10 mA limit).
Confirm exact gain transfer function on the faceplate/manual for the serial prefix.

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