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Data Sheet

August 15, 2026

BURLEIGH

Burleigh PZ-300M Piezo Driver/Amplifier

The Burleigh PZ-300M is a precision linear actuator designed for applications requiring high resolution and stability. It features a piezoelectric drive mechanism, enabling precise positioning with minimal backlash and drift. Ideal for microscopy, optics, and nanotechnology applications.



MODEL

Burleigh PZ-300M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PZ-300M

LISTING

<https://aumictechlabs.com/products/pz-300m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Burleigh PZ-300M is a three-channel low-current amplifier designed for driving Burleigh's low-voltage piezoelectric actuators at DC and low drive frequencies. This instrument is part of a system that enables precision linear actuation for applications demanding high resolution and stability. The PZ-300M features a high-resolution color display and provides manual control of output voltages via front panel bias controls, with the option for remote control through an analog input signal. It is compatible with Burleigh's PZ-150, PZ-300, and PZ-350 low-voltage amplifier/drivers and utilizes LEMO connectors for actuator interface. The unit is equipped with GPIB and LAN interfaces for remote operation and control. Technical Specifications * Channels: 3 Drive Frequencies: DC and low drive frequencies Output Voltage Meter: Front panel display Control: Manual via front panel bias control; Remote via analog input signal Actuator Interface: LEMO connector (standard) Optional Connectors: Mini-DIN (for PZ-100 Step Driver) Compatibility:

Designed for Burleigh's Low Voltage Piezoelectric Actuators (PZL, PZO, PZS series) System Integration: Compatible with PZ-150 and PZ-350 amplifier/drivers Communication Interfaces: GPIB, LAN Display: High-resolution color display Power: Operates up to 150 volts (hazardous) Electrical * Voltage Specification: Rated up to 300V, but actuators operate up to 150V Current Specification: Rated up to 500mA Power Modules: Equipped with 2 slots for hosting power modules, return loss modules, compact tunable lasers, or fixed laser sources Interfaces * Analog Input: For remote control of output voltages GPIB: For remote control and operation LAN: For remote control and operation LEMO Connector: Standard interface for connecting piezoelectric actuators Physical * Dimensions: 18 × 12 × 8 in Weight: 12.2 lbs Compatibility * Actuator Series: PZL, PZO, PZS Low Voltage Piezoelectric Actuators Associated Electronics: PZ-150, PZ-300, PZ-350 Low Voltage Amplifier/Drivers Optional Drivers: PZ-100 Step Driver (requires optional Mini-DIN connector) Applications The Burleigh PZ-300M is engineered for applications that require precise, stable, and high-resolution linear positioning. Its capabilities make it suitable for: * Microscopy: Enabling fine adjustments for specimen stages or objective lenses. Optics: Facilitating precise alignment of mirrors, lenses, and other optical components. Nanotechnology: Supporting high-precision manipulation and positioning in nanoscale research and manufacturing. Automated Test Equipment: Its remote control interfaces (GPIB, LAN) allow for integration into larger automated systems for testing and measurement. Optical Component Testing: Built-in applications may include Return Loss, Passive Component Test, Stability, and Logging. About Aumictech for Burleigh PZ-300M At Aumictech, we specialize in supplying high-end motion control and optical test equipment. Whether you need precise piezoelectric actuation, advanced optical measurement, or integrated system components, our team ensures the Burleigh PZ-300M delivers maximum performance for your critical applications.

PZ300M Characteristics / Specifications

PARAMETER	VALUE
Model	PZ-300M
Instrument Type	Three channel piezo amplifier driver
Channel Count	3
Output Voltage Class	up to 150 V per channel
Actuator Family	Burleigh low voltage piezo actuators 0 to 150 V
Analog Input	BNC 0 to ± 10 V
Front Panel	gain and DC offset
Related Model	PZ-150M 0 to 150 V amplified output
Manufacturer	Burleigh
Literature	Burleigh PZ-300M LC amplifier listings
Family	Burleigh PZ piezo drivers
Brand Lineage	Burleigh
Form Factor	multi channel piezo amplifier
System Role	three channel piezo driver
Use Case	nano positioning piezo drive
Documentation Type	OEM PZ-300M listing
Year Class	Burleigh PZ-300M
Application Class	piezo motion control
Vendor Path	Burleigh
Input Class	analog BNC
Output Class	150 V piezo drive
Documentation Class	OEM PZ-300M catalog
Control Class	analog gain/offset plus external waveform
Companion Role	Burleigh low voltage piezo actuators
Operating Mode	analog piezo amplifier

PARAMETER	VALUE
Instrument Class	piezo driver
Axis Class	three channel
Bandwidth Class	analog high speed piezo drive
Enclosure Class	PZ-series amplifier chassis
Bandwidth	Class: analog high speed piezo drive

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
Model	PZ-300M
Instrument Type	Three channel piezo amplifier driver
Channel Count	3
Output Voltage Class	up to 150 V per channel
Actuator Family	Burleigh low voltage piezo actuators 0 to 150 V
Analog Input	BNC 0 to ±10 V
Front Panel	gain and DC offset
Related Model	PZ-150M 0 to 150 V amplified output
Manufacturer	Burleigh
Literature	Burleigh PZ-300M LC amplifier listings
Family	Burleigh PZ piezo drivers
Brand Lineage	Burleigh
Form Factor	multi channel piezo amplifier
System Role	three channel piezo driver
Use Case	nano positioning piezo drive
Documentation Type	OEM PZ-300M listing
Year Class	Burleigh PZ-300M
Application Class	piezo motion control
Vendor Path	Burleigh
Input Class	analog BNC
Output Class	150 V piezo drive
Documentation Class	OEM PZ-300M catalog
Control Class	analog gain/offset plus external waveform
Companion Role	Burleigh low voltage piezo actuators
Operating Mode	analog piezo amplifier
Instrument Class	piezo driver

PARAMETER	VALUE
Axis Class	three channel
Bandwidth Class	analog high speed piezo drive
Enclosure Class	PZ-series amplifier chassis

Notes

From Burleigh PZ-300M listings (3-channel, 150 V class, 0 to ± 10 V BNC, gain/offset; PZ-150M family).
Current, bandwidth, and noise figures are on the PZ-300M/PZ-150M specification pages.

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