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Data Sheet

August 15, 2026

CVI MELLES GRIOT

CVI Melles Griot 17MPZ001 Piezoelectric Control Module

CVI Melles Griot 17MPZ001 Piezoelectric Control Module The CVI Melles Griot 17MPZ001 is a piezoelectric control module. OEM 17MPZ001 listings describe a piezo driver/controller for Melles Griot piezoelectric actuators and stages in photonics alignment. Use the 17MPZ001 datasheet for voltage, channels, and bandwidth. Piezo actuator drive in optical alignment and photonics positioning. Companion to Melles Griot piezo actuators The CVI Melles Griot 17MPZ001 is a piezoelectric control module. OEM 17MPZ001 listings describe a piezo driver/controller for Melles Griot piezoelectric actuators and stages in photonics alignment. Use the 17MPZ001 datasheet for voltage, channels, and bandwidth. Piezo actuator drive in optical alignment and photonics positioning. Companion to Melles Griot piezo actuators

Instrument Type: Piezoelectric control module



MODEL

**CVI Melles Griot
17MPZ001**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

17MPZ001

LISTING

<https://aumictechlabs.com/products/17mpz001-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The CVI Melles Griot 17MPZ001 is a piezoelectric control module engineered for precise motion control in demanding scientific and industrial applications. It delivers high-resolution positioning and stability in microscopy, laser tuning, and automated optoelectronic production environments.

The module integrates into CVI Melles Griot's modular control electronics architecture, enabling flexible system configuration and scalable expansion across multiple actuators and controllers.

Technical Specifications
Controller Type: Piezoelectric Control Module
Product Family: 17MST001, 17MMR001, 17MPZ001, 17MNA001
System Architecture: Modular control electronics and software for optoelectronic production
Control Function: Precise piezoelectric actuator control
Resolution: High resolution positioning
Stability: High stability performance

Key Features
High-resolution control optimized for fine adjustments in sensitive applications
Modular architecture permits system reconfiguration and component upgrades without redesign
Direct integration with CVI Melles Griot main racks, including the 17MMR001 Rack-Mount Main Rack
Distributed power and communication delivery from compatible main rack platforms
Multi-module expansion capability for complex automation requirements

Typical Applications
Microscopy systems requiring precision stage positioning
Laser tuning and wavelength stabilization
Automated optoelectronic manufacturing and test environments
Scientific instruments demanding sub-micron positioning repeatability
Multi-axis motion control in integrated optical systems

Compatibility & Integration
The 17MPZ001 operates as a component within CVI Melles Griot's modular control ecosystem. It connects directly to main racks such as the 17MMR001, which supplies power and communication infrastructure. Multiple 17MPZ001 modules can be deployed in a single system to control arrays of piezoelectric actuators. This architecture supports both standalone configurations and integration into larger laboratory automation platforms.

17MPZ001 Characteristics / Specifications

PARAMETER	VALUE
Model	17MPZ001
Instrument Type	Piezoelectric control module
Manufacturer	CVI Melles Griot
Literature	CVI Melles Griot 17MPZ001 listings
Family	CVI Melles Griot 17MPZ piezo
Brand Lineage	Melles Griot CVI
Form Factor	piezo control module
System Role	piezoelectric actuator drive
Application Class	optical alignment
Actuator Class	piezoelectric
Documentation Type	OEM 17MPZ001 listing
Vendor Path	CVI Melles Griot
Year Class	17MPZ001
Voltage Class	per 17MPZ001 datasheet
Channel Class	per 17MPZ001 datasheet
Bandwidth Class	per 17MPZ001 datasheet
Connector Class	per 17MPZ001
Control Class	piezo drive
Feedback Class	per 17MPZ001
Power Class	per 17MPZ001 PSU
Operating Temperature Class	laboratory
Module Class	17MPZ001
Mounting Class	per 17MPZ001 outline
Documentation Class	CVI 17MPZ001
Bandwidth	Class: per 17MPZ001 datasheet

PARAMETER	VALUE
Operating temperature	Class: laboratory

17MPZ001 Specifications

PARAMETER	VALUE
CVI Melles Griot 17MPZ001 Piezoelectric Control Module	Overview
Applications	Piezo actuator drive in optical alignment and photonics positioning.
Piezoelectric control module	CVI Melles Griot 17MPZ family
Companion to Melles Griot piezo actuators	17MPZ001 catalog module
Technical Specifications	Model: 17MPZ001

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
Operating Temperature	Class: laboratory
Operating Temperature Class	laboratory
Module Class	17MPZ001
Mounting Class	per 17MPZ001 outline
Documentation Class	CVI 17MPZ001 Notes Identity from CVI Melles Griot 17MPZ001 piezoelectric control listings. Drive voltage, channel count, and bandwidth are on the 17MPZ001 datasheet.

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	
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Model	17MPZ001
Instrument Type	Piezoelectric control module
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Literature	CVI Melles Griot 17MPZ001 listings
Family	CVI Melles Griot 17MPZ piezo
Brand Lineage	Melles Griot CVI
Form Factor	piezo control module
System Role	piezoelectric actuator drive
Application Class	optical alignment
Actuator Class	piezoelectric
Documentation Type	OEM 17MPZ001 listing
Vendor Path	CVI Melles Griot
Year Class	17MPZ001
Voltage Class	per 17MPZ001 datasheet
Channel Class	per 17MPZ001 datasheet
Bandwidth Class	per 17MPZ001 datasheet
Connector Class	per 17MPZ001
Control Class	piezo drive
Feedback Class	per 17MPZ001
Power Class	per 17MPZ001 PSU
Operating Temperature Class	laboratory
Module Class	17MPZ001
Mounting Class	per 17MPZ001 outline
Documentation Class	CVI 17MPZ001

Notes

Identity from CVI Melles Griot 17MPZ001 piezoelectric control listings. Drive voltage, channel count, and bandwidth are on the 17MPZ001 datasheet.

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>

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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.