

Nanopositioning Piezo Actuator



Nanopositioning Piezo Actuator, #85-008

Stock **#85-008** **5 In Stock**

1 MRP ₹3,26,884

Price inclusive of all taxes

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Volume Pricing

Qty 1+	₹3,26,884 each
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General

For Microscope Objectives **Type:**

1.5 **Resolution (nm):**

Physical & Mechanical Properties

Linear (Z) **Type of Movement:**

Aluminum and Brass Body **Construction:**

300	Load Capacity (g):
100	Range of Motion (μm):
6	Runout, θ_x (μrad):
10	Runout, θ_y (μrad):

Optical Properties

12.7	Optical Path Difference (mm):
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Electrical

500	Frequency (Hz):
±20	Frequency Stability (%):

Hardware & Interface Connectivity

Ultrasonic Motor	Type of Drive:
Controller with EO-Drive and 16-bit USB Open Loop	Power Supply:

Threading & Mounting

Sold Separately	Mounting Threads:
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Material Properties

1	Stiffness (N/μm):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

Nanopositioning piezo actuator and USB controller are sold separately, both are required for a complete system.

- 100μm Range of Motion
- 1.5nm High Resolution Positioning
- Interchangeable Quick Mount Adapters

The Microscope Objective Nanopositioning System is a piezo driven, flexure guided, nanopositioning focusing element system. Combining 100μm of travel with low off-axis motion, the nanopositioning piezo actuator ensures stable microscope images throughout the entire range of motion. RMS, M25, and M26 quick mount adapters set thread directly into the microscope turret and provide a stable mounting surface for the nanopositioning actuator.

Note: Nanopositioning piezo actuator (required), USB controller (required), and quick mount adapters (at least one required) are sold separately.

The EO-Drive controller connects directly to any USB port on a Windows® (XP, Vista, Windows 7) compatible computer, and provides high resolution, 16-bit control of the lens motion. Software drivers, LabVIEW™ examples, and a LabVIEW™ tutorial are included. LabVIEW™ examples are open source, and can be used as a starting point in LabVIEW™ routines written for specialized imaging applications.