

For current pricing,
please see our website.

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Manual Stages

Motorized Stages

Multi-Axis
Platforms

Actuators

Controllers

▼ SECTIONS

Linear Translation

Rotation

Goniometers

5 mm Travel, NanoFlex™ Stage, 20 μm Piezo Actuator



Single-Axis Stage Specifications

- **Travel:** 5 mm
- **Max Load:**
2.2 lbs (1 kg) Horizontal
1.1 lbs (0.5 kg) Vertical
- Lockable Coarse Adjustment
- **Course Adjustment:**
0.02" (0.5 mm) per Revolution
- **Fine Adjustment:**
50 μm per Revolution
- **Fine Adjustment Range:**
300 μm

Piezo Specifications

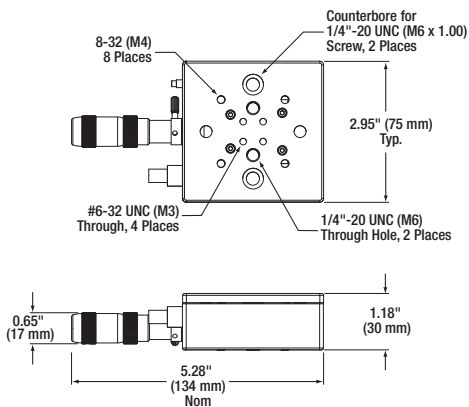
- **Drive Voltage:** 0 - 75 V
- **Drive Connector:** SMC
- **Feedback Connector:** LEMO
- **Travel Range:** 20 μm Range
- **Resolution:** 20 nm (Open Loop), 10 nm (w/ Feedback)

Features

- Flexure Design, No Static or Kinetic Friction
- Differential Micrometer Drive
- Open- and Closed-Loop Piezo Options
- Compact Size
- XYZ Configurable

When stability is of the utmost importance, these NanoFlex™ stages provide ultra-smooth translation for applications that are intolerant to the errors inherent in linear bearings. The compound linear flexure design ensures true linear motion over the full range of translation.

The NF5 series stages are supplied with a differential micrometer drive. An optional internal piezo drive is available, with or without strain gauge feedback. This stage is ideal for a variety of applications, including interferometry, microscopy, and other precise nanopositioning applications. The extra stability offered by these stages means that they are suitable for stacking in XY, XZ, and XYZ configurations when precise planar movement is required. The NF5 series stages can be mounted in an XYZ configuration using the base plate (NF5P1) and angle bracket (NF5P2) featured below.



5 mm NanoFlex™ Stages

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
NF5D	NF5D/M	\$ 795.00	£ 572.40	€ 691,65	¥ 6,336.15	Differential Adjuster Single-Axis Stage 5 mm Travel
NF5DP20	NF5DP20/M	\$ 985.00	£ 709.20	€ 856,95	¥ 7,850.45	Differential Adjuster and 20 μm Piezo Single-Axis Stage, 5 mm Travel
NF5DP20S	NF5DP20S/M	\$ 1,379.00	£ 992.88	€ 1.199,73	¥ 10,990.63	Differential Adjuster and 20 μm Closed-Loop Piezo Single-Axis Stage, 5 mm Travel

5 mm Travel, NanoFlex™ Accessories

These accessories allow our compact NanoFlex™ stages to be assembled into XY, XZ, or XYZ systems. The base plate provides a convenient means for attaching a stage to an optical system or table.



5 mm NanoFlex™ Accessories

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
NF5P1	NF5P1/M	\$ 46.60	£ 33.55	€ 40,54	¥ 371.40	Mounting Plate for the 5 mm NanoFlex™ Series
NF5P2	NF5P2/M	\$ 94.10	£ 67.75	€ 81,87	¥ 749.98	Angle Bracket for the 5 mm NanoFlex™ Series