

NPXY400Z100A

Specifications

Range (µm)	400 x 400 x 100
Footprint (mm)	170 x 170 x 30
Aperture (mm)	-
Material	Aluminum
Max Load (kg)	0.5

The NPXY400Z100A is a closed-loop XYZ nanopositioner with 400µm x 400µm x 100µm range of motion. It easily integrates into Veeco's Dimension™ series Atomic Force Microscopes to greatly expand the AFM's topographical scanning capability.

	XY	Z
Position Noise (nm)	1.5	0.5
Small Signal Settling Time (ms/1µm step)	35	10
Resonant Frequency (Hz, unloaded, typical)	200	1000
Linearity Error (%)	0.05	0.05
Hysteresis (% , typical)	0.05	0.05

Part Number 3715117

Application Examples

- Near-Field Scanning Optical Microscopy
- Scanning Probe Microscopy
- Optical Microscopy
- Lithography
- Nanometer-scale Manipulation
- Metrology
- Optical Fiber Alignment



Installation

