

NPZ25A

Specifications

Range (µm)	25
Footprint (mm)	φ20 x 44
Aperture (mm)	-
Material	Super Invar
Max Load (kg)	1
Position Noise (nm)	0.15
Small Signal Settling Time (ms/1µm step)	2
Resonant Frequency (Hz, unloaded, typical)	3500
Linearity Error (%)	0.03
Hysteresis (% , typical)	0.03
Part Number	3715206

The NPZ25A nanopositioner is a closed-loop z-stage with a scanning range of 25 µm and sub-nanometer resolution. With a resonant frequency of higher than 3 kHz it can scan extremely fast. It meets the requirement of most SPM applications. It is manufactured from Super Invar for excellent thermal stability. The NPZ25A can be combined with the NPXY100C stage to provide a three axes closed-loop positioning system.

Application Examples

- Disk Drive Testing
- Scanning Probe Microscopy
- Near Field Scanning Optical Microscopy
- Nanometer-scale Manipulation
- Metrology
- Interferometry



Installation

