

P-721K PIFOC® Nosepiece Nanopositioner

Compact Design, Sub-Nanometer Resolution



P-721KTPZ Compact
Nosepiece Nanopositioner

- Positioning and Scanning of Microscope Turrets
- Direct-Metrology Capacitive Sensors for Highest Linearity, Stability and Control Dynamics
- Frictionless, High-Precision Flexure Guiding System for Better Focus Stability
- Outstanding Lifetime Due to PICMA® Piezo Actuators

Model	Travel	Closed-loop/ open-loop resolution	Resonant frequency (fully loaded)	Dimensions (W x L x H)
P-721KTPZ Turret-PIFOC®	80 µm	10 / 0.5 nm	215 Hz	44.5 x 42 x 53 mm

P-721K Power-PIFOC® Nosepiece Nanopositioner

For High-Resolution Microscopy. High-Load Capacity, Capacitive Feedback



The P-721KPTZ
high-load
PIFOC® allows
precision
positioning of
a complete
microscope
turret

- Scans and Positions Objectives with Sub-nm Resolution
- Travel Ranges to 150 µm, Millisecond Settling Time
- Parallel Flexure Guiding for Minimized Objective Offset
- Direct Metrology with Capacitive Sensors for Highest Linearity
- Outstanding Lifetime Due to PICMA® Piezo Actuators

Model	Load capacity	Closed-loop travel	Resonant frequency	Mass
P-721KPTZ	20 N	to 150 µm	410 Hz (no load)	1.5 kg