





### Technical Data

Models	F-110.00	Units
Axes	X, Y, Z	
Travel range (manual)	18	mm
Piezo fine-travel range	50	µm
Resolution (piezoelectric)	0.5	nm
Resolution (micrometer drive)	1	µm
Max. load (Z-axis)	20	N
Mechanical positioning system	M-105.30, see page 7-24	
Piezoelectric positioning system	P-282.20, see page 2-25	
Weight	1.1	kg
Recommended amplifier/controller	E-463, E-500 w/ 3 x E-507	

Piezo Actuators

Nanopositioning &amp; Scanning Systems

Active Optics / Steering Mirrors

Tutorial: Piezo-electrics in Positioning

Capacitive Position Sensors

Piezo Drivers &amp; Nanopositioning Controllers

Hexapods / Micropositioning

**Photonics Alignment Solutions**

Motion Controllers

Ceramic Linear Motors &amp; Stages

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