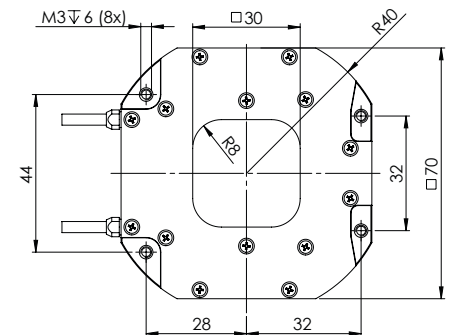
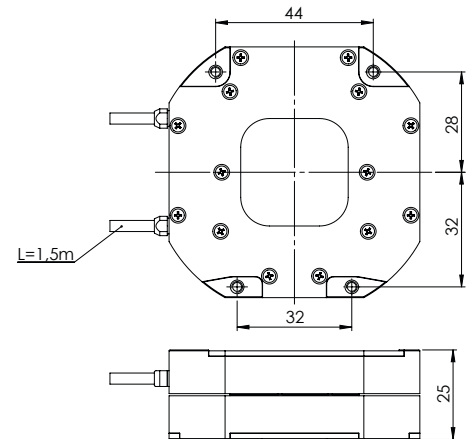
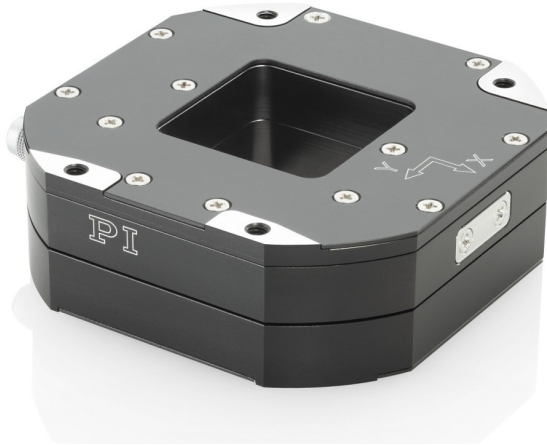


Compact XY Nanopositioning System

WITH CLEAR APERTURE



P-763, dimensions in mm

Preliminary data	P-763.22C	Unit
Active axes	X, Y	
Motion and positioning		
Integrated sensor	Capacitive sensors	
Closed-loop travel in X, Y	200	µm
Open-loop resolution in X, Y	1	nm
Closed-loop resolution in X, Y	2	nm
Linearity error in X, Y	0.02	%
Repeatability X, Y	± 5	nm
Mechanical properties		
Loaded resonant frequency in X	180 Hz (260 g)	Hz
Load capacity	10	N
Drive properties		
Piezoceramics	PICMA® P-887	
Electrical capacitance in X, Y	12.8	µF
Miscellaneous		
Operating temperature range	-20 to 80	°C
Material	Aluminium, steel	
Dimensions	70 mm × 70 mm × 25 mm	
Clear Aperture	30 mm × 30 mm	
Cable length	1,5	m
Connection	1× Sub-D Mix, 1 channel, for X and Y respectively	
Recommended controller	2× E-709.CRG or 2× E-709.CHG (for high dynamics); E-725 (plug adapter required)	

Precision-class nanopositioning system

2 axes, serial kinematics. Frictionless flexure joints with mechanical lever motion amplifiers. Capacitive position sensors for maximum stability and linearity

PICMA® high-performance piezo drive

Piezoceramic actuators with all-ceramic insulation.

Longer lifetime, humidity resistance and operating temperatures to 80°C

Fields of application

Sample handling and positioning in research and industry, also suitable for transmitted-light applications