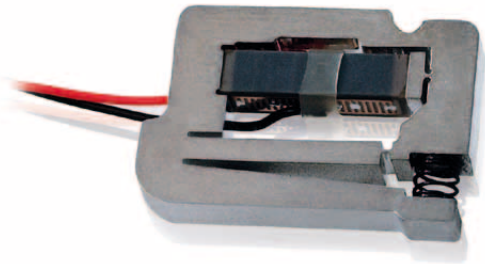


# Compact PiezoMove Linear Actuator

COST-EFFICIENT, WITH 300 µM TRAVEL RANGE



## P-604

- Lightweight and compact: 4 g and <13 mm × 20 mm footprint
- Travel range 300 µm
- Optimized design for manufacturing in large quantities
- Customer-specific adaptations can be provided

### Standard-class piezo actuator

Frictionless flexure joints with integrated lever motion amplifiers. Open-loop, without position sensor

### PICMA® high-performance piezo drive

Piezoceramic actuators with all-ceramic insulation. Longer lifetime, humidity resistance and operating temperatures to 80°C

### Fields of application

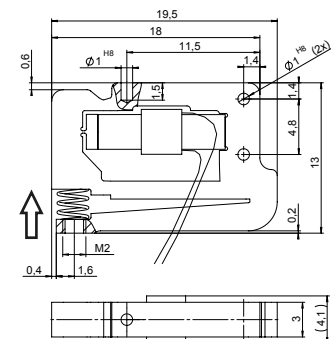
Research and industry. Ideal OEM actuators for precision motion control in optics, medical, biotech and microfluidics applications

### Related products

- P-603 Cost-Efficient PiezoMove Linear Flexure Actuator
- P-712 Linear Piezo Scanner
- P-713 XY Piezo Scanner

	P-604.300	Unit	Tolerance
Active axes	Z		
<b>Motion and positioning</b>			
Open-loop travel, -20 to 120 V	300	µm	min. (+20%/-0%)
Open-loop resolution	0.5	nm	typ.
<b>Mechanical properties</b>			
Stiffness in motion direction	0.01	N/µm	±20%
Unloaded resonant frequency	900	Hz	±20%
Push / pull force capacity in motion direction	2 / 1.5	N	max.
<b>Drive properties</b>			
Piezoceramics	PICMA® P-883		
Electrical capacitance	0.27	µF	±20%
<b>Miscellaneous</b>			
Operating temperature range	-20 to 80	°C	
Material	Steel		
Dimensions	19.5 mm × 13 mm × 4.1 mm		
Mass	4	g	±10%
Cable length	0.1	m	±10 mm
Voltage connection	Stranded wire		
Recommended controller / amplifier	E-610.00 amplifier; E-831 OEM amplifier module		

Ask about custom designs!



P-604, dimensions in mm