

Linear Motion | N81.8K

Piezo Motor Driven Linear Actuator



Characteristics >>

- Min step: <20 nm
- Compact design
- Self-locking at rest, requires no current
- Lifetime >10 steps
- Optional vacuum version

Applications >>

- Stable adjustment in optical paths
- Long-term positioning
- Touch-free adjustment of hard-to-reach places
- Adjustment of optical frames

Introduction

The linear piezo motor has the resolution of more than 20nm in full stroke, rated load of 30N, compact design, excellent long-term stability, and can continue to remain at the set position in the event of a power failure.



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Technical Data >>

Type	N81.8K	Units
Travel	8	mm
Min. step	< 20	nm±20%
Load capacity	25	N
Speed	3	mm/min±10%
Position hold deviation at power up or down	<20	nm
Operating temperature ^[1]	10~40	°C
Mass with cable	80	g±5%
Material	Steel, Aluminum	
Cable length ^[1]	2	m±10mm
Voltage connector ^[1]	RJ11 4P4C	
PZT connector	RJ11	

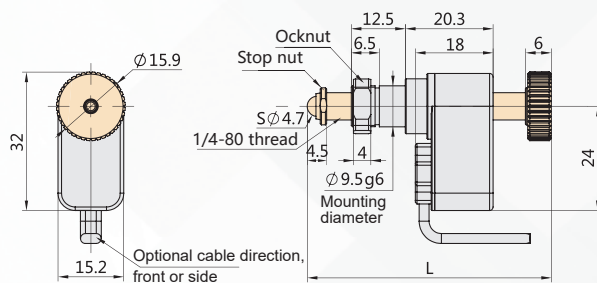
Note: UHV version is available. Custom closed-loop version is available.
[1]: custom is available.

Optional Vaccum Version >>



Drawing >>

Type	N81.8K
L	51.8mm



Recommended Controllers



E53.C4K
4 control interfaces, digital control
USB and serial port communication



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