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TECHNOLOGY GROUP

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Picomotor Piezo Linear Actuator, 1 in. Travel, 30 nm Resolution, 9.5 mm Shank



The 8302 Picomotor Piezo Linear Actuator is an ideal device for motorizing fine-positioning stages and mounts in your optical or mechanical systems. Use it with our optomechanical translation stages or your own custom devices. It has better than 30 nm resolution with minimal backlash over a 1 inch (25.4 mm) travel range, and can exert a 5 lb. (22-N) force. The standard 0.375 in (9.5 mm) shank of the Model 8302 lets it fit into standard micrometer mounting holes.

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Specifications

Travel Range	25.4 mm	**Drive Torque**	0.018 Nm
Minimum Incremental Motion	<30 nm	**Rated Life**	> 1 x 10^9 steps
Maximum Speed	1.2 mm/min	**Cable Length**	2.1 m
Axial Load Capacity	22 N	**Connector Type**	4-Pin RJ-22
Mounting	9.5 mm Shank	**Operating Temperature**	10-40° C
Frequency	2 kHz		

Resources & Downloads

Related Products

Frequently Purchased Together

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**8742-4-KIT** Picomotor Controller Kit, Four-Axis	PDF	In Stock	$1,455
	**8341NF** Rotating Picomotor Actuator, 3-4 RPM, 9.5 mm Shank	PDF	In Stock	$761
	**8742-8-KIT** Picomotor Controller Kit, Eight-Axis	PDF	In Stock	$2,786
	**8742** Motion Controller, Picomotor, Open-Loop, 4 Channel	PDF	In Stock	$1,368
	**8758** Hand Control Pad, 875x Picomotor Controller/Drivers	PDF	In Stock	$925
	**8745-RS485-CBL** RS-485 Cable, 6 in. Length, 8742 and 8743-CL Controller/Driver	PDF	In Stock	$19.80

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We buy equipment

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We're here to make your life easier. How can we help you today?

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