

50mm Travel, Motorized Linear Actuator, Integrated Controller, Manual Control

#22-628



해당 제품은 이동 거리가 최대 50mm이고 분해능이 50nm입니다. PC 제어식 단독 사용 제품으로 스테퍼 모터와 PC의 RS-232 포트에 직접 연결 가능한 컨트롤러가 포함되어 있으며, 내장된 15V 전원 공급 장치를 사용합니다. 엔코더 버전은 스테퍼 모터에 내장된 250 CPR(Counts per Revolution) Rotary Quadrature 엔코더가 있고 이동 거리와 관계 없이 사용이 가능합니다. 해당 제품은 산업 표준 크기의 3/8" 샹크(shank)를 갖기 때문에 대부분의 스테이지와 호환 가능합니다. 액추에이터 샹프트는 회전하지 않으며 움직이는 스테이지에 토크가 전달되지 않습니다. 액추에이터를 수동으로 사용하는 경우 필요에 따라 PC로 모니터링할 수 있습니다.

참고: 6피트 데이터 케이블, RS-232 어댑터, 전원 공급 장치(범용) 등 액세서리가 별도로 판매됩니다.

General

Type:	Metric
Manual Control/ LED Indicators:	Yes
Manufacturer:	Zaber
Type of Motor:	Stepper (2 Phase)

Physical & Mechanical Properties

Type of Movement:	Linear (X)
Travel (mm):	50.8
Accuracy (μm):	55 (Unidirectional)
Backlash (μm):	<15
Dimensions (mm):	162.5 L x 49.4 W x 20.0 H
Repeatability (μm):	<1
Speed (mm/s):	0.000029 to 30
Thrust (N):	25
Weight (kg):	0.16

Optical Properties

Resolution (μm):	0.047625
-------------------------------	----------

Electrical

Maximum Operating Current (mA):	180
---------------------------------	-----

Hardware & Interface Connectivity

Type of Drive:	Precision Lead Screw
Power Supply:	24-48 VDC
Computer Interface:	RS-232

Threading & Mounting

Mount:	3/8-32 Nut, 3/8" Shank or M3 Screws
--------	-------------------------------------

Environmental & Durability Factors

Operating Temperature ($^{\circ}\text{C}$):	0 to 50
---	---------



June 19, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
22-628	50mm Travel, Motorized Linear Actuator, Integrated Controller, Manual Control

This item is EU RoHS (2015/863/EU) compliant without the use of exemptions.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance

June 19, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com



June 19, 2025

재고 번호

22-628

제품설명

50mm Travel, Motorized Linear Actuator, Integrated Controller, Manual Control

Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



June 19, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

재고 번호	제품설명
22-628	50mm Travel, Motorized Linear Actuator, Integrated Controller, Manual Control

This item does not contain any of the substances listed on the Reach SVHC list as of 21 January 2025 in quantities exceeding 0.1% weight by weight.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance
June 19, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com