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70mm., 15mm Travel, Compact Motorized Linear Stage, Metric



70mm., 15mm Travel, Compact Motorized Linear Stage (Front)



Stock **#23-923** **3 In Stock**

⊖ 1 ⊕ €765⁰⁰

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

Metric **Type:**

Two integrated, adjustable limit switches
Controller Required: [#23-931](#) **Note:**

Stepper Motor

Type of Motor:

Physical & Mechanical Properties

Linear (X)

Type of Movement:

Ball Bearing

Guide System:

70 x 107

Stage Size (mm):

15

Travel (mm):

5

Accuracy (μm):

50

Backlash (μm):

Aluminum, 3D Printed Plastic

Construction:

33

Height (mm):

1

Load Capacity (kg):

22

Parallelism (μm):

3

Repeatability (μm):

40

Speed (mm/s):

0.615

Weight (kg):

1.25

Min. Incremental Movement (μm):

Optical Properties

5

Resolution (μm):

Electrical

600

Maximum Operating Current (mA):

Hardware & Interface Connectivity

Lead Screw

Type of Drive:

USB-C

Control Interface:

USB-C

Computer Interface:

Threading & Mounting

(9) M6 x 1.0, (4) M3 x 0.5, (8) M2 x 0.4

Mounting Threads:

Environmental & Durability Factors

10-40

Operating Temperature ($^{\circ}\text{C}$):

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[Compliant](#)

Reach 224:

[View](#)

Certificate of Conformance:

Product Details

- Compact Footprint and Economic Price Point
- Light-weight Housing with Durable Stage Platform
- Compatible with [TECHSPEC Stages](#)
- Use Power Supply [#21-075](#) to Power Controller [#23-931](#)

Compact Motorized Linear Stages are a cost-effective solution for motorized linear adjustment within an optical system. These stages feature an anodized aluminum stage platform for precision mounting, with a Selective Laser Sintering (SLS) 3D printed plastic housing for a lightweight but durable construction. The compact overall footprint maximizes space efficiency to add motorization to space constrained systems. Compact Motorized Linear Stages share the same hole patterns as our [TECHSPEC stages](#), making them an ideal lab bench component for motorized system building. Requires a Controller, [#23-931](#), which can be easily connected via an included 1m USB-C to USB-A cable.

