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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 ⊕ C\$1,071⁰⁰

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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:**

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):
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Electrical

600	Maximum Operating Current (mA):
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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:
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Environmental & Durability Factors

10-40	Operating Temperature ($^{\circ}\text{C}$):
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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.

