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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 + **€765**.00

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Volume Pricing	
Qty 1+	**€765,00** each
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Note: This item requires accessories for use | Learn More

Product Downloads

General

Type:
Metric

Note:
Two integrated, adjustable limit switches
Controller Required: #23-931

Type of Motor:	Stepper Motor

Physical & Mechanical Properties

Type of Movement:	Linear (X)
Guide System:	Ball Bearing
Stage Size (mm):	70 x 107
Travel (mm):	15
Accuracy (µm):	5
Backlash (µm):	50
Construction:	Aluminum, 3D Printed Plastic
Height (mm):	33
Load Capacity (kg):	1
Parallelism (µm):	22
Repeatability (µm):	3
Speed (mm/s):	40
Weight (kg):	0.615
Min. Incremental Movement (µm):	1.25

Optical Properties

Resolution (µm):	5

Electrical

Maximum Operating Current (mA):	600

Hardware & Interface Connectivity

Type of Drive:	Lead Screw
Control Interface:	USB-C
Computer Interface:	USB-C

Threading & Mounting

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

Environmental & Durability Factors

Operating Temperature (°C):	10-40

Regulatory Compliance

RoHS 2015:	Compliant
Reach 224:	Compliant
Certificate of Conformance:	View

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.

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