

[See all 13 Products in Family](#)

## Zaber 25mm, X-LDA-AEZ Vertical Translation Stage

See More by [Zaber™](#)



Stock #75-566 **NEW** 1 In Stock

⊖ 1 ⊕ A\$14,304.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	A\$14,304.00 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

**Type:**  
Metric

**Encoder:**  
Yes

**Manual Control/ LED Indicators:**  
Yes

**Manufacturer:**  
Zaber Technologies Inc.

**Note:**  
Requires a 24-48 VDC power supply and either

#15-295 for USB connectivity or #15-297 for RS-232 connectivity. A data cable (#15-296 or #15-299) can be used to daisy chain multiple stages together to control simultaneously.

**Type of Motor:**  
Moving Magnet Track Linear Mtor

**Encoder Type:**  
Linear Analog Encoder

## Physical & Mechanical Properties

**Type of Movement:**  
Linear (X)

**Guide System:**  
Crossed-Roller Bearing

**Stage Size (mm):**  
191 x 110

**Travel (mm):**  
25

**Accuracy (µm):**  
1.5

**Height (mm):**  
37.4

**Load Capacity (kg):**  
0.72

**Repeatability (µm):**  
<0.2

**Speed (mm/s):**  
0.00000061 - 700

**Weight (kg):**  
1.29

## Electrical

**Maximum Operating Current (mA):**  
3000

## Hardware & Interface Connectivity

**Type of Drive:**  
Moving Magnet Track Linear Mtor

**Power Supply:**  
Power Supply Required and Sold Separately.  
USA: #70-960  
Europe: #70-960  
Japan: #23-662  
Korea: #33-773 + #15-304  
China: #70-960

**Computer Interface:**  
RS-232

## Environmental & Durability Factors

**Operating Temperature (°C):**  
0 - 50

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 247:**  
[Compliant](#)

## Product Details

- 25, 75, 150mm Travel Options
- Up to 800mm/s Speed
- High Repeatability and Accuracy

Zaber™ High Precision Linear Motorized Stages are computer-controlled linear stages that utilize a moving magnet track linear motor and centrally located encoder to accurately and precisely position optical components or subsystems. These stages can connect directly to a computer's USB or RS-232 port and are compatible with [Zaber Launcher](#) and [Zaber's Motion Library](#) for quick set up and intuitive automation and control. The linear analog encoder has 1nm count size ensuring 1.5µm positional accuracy, 200µm repeatability, and consistent minimal incremental movement steps down to 20nm. Zaber™ High Precision Linear Motorized Stages are driven by non-cogging ironless linear motors which allow for speeds up to 800 mm/s with a minimum speed and speed resolution of 0.61mm/s. These stages are designed with metric tapped holes for mounting and an indexed knob and push switch for manual control when needed.

**Note:** A48 VDC universal power supply, data cables for daisy chaining, and computer interface cables (USB or RS-232) are sold separately as accessories.