

# 100 mm Travel, Motorized Linear Stage, Integrated Controller

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#15-287, 100mm Travel, Motorized Linear Stage, Integrated Controller

Stock **#15-287** 3-4 DAYS

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

**Guide System:**  
Needle Roller Bearing

**Type of Drive:**  
Precision Lead Screw

**Type:**  
Metric

|                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stage Size (mm):</b><br>45 x 238.8                                                                                                                                                                                                                                                                            |
| <b>Travel (mm):</b><br>101.6                                                                                                                                                                                                                                                                                     |
| <b>Accuracy (µm):</b><br>35 (Unidirectional)                                                                                                                                                                                                                                                                     |
| <b>Backlash (µm):</b><br><12                                                                                                                                                                                                                                                                                     |
| <b>Height (mm):</b><br>21                                                                                                                                                                                                                                                                                        |
| <b>Load Capacity (kg):</b><br>10                                                                                                                                                                                                                                                                                 |
| <b>Manual Control/ LED Indicators:</b><br>Yes                                                                                                                                                                                                                                                                    |
| <b>Manufacturer:</b><br>Zaber Technologies Inc.                                                                                                                                                                                                                                                                  |
| <b>Note:</b><br>Requires a 24–48 VDC power supply and either <a href="#">#15-295</a> for USB connectivity or <a href="#">#15-297</a> for RS-232 connectivity. A data cable ( <a href="#">#15-296</a> or <a href="#">#15-299</a> ) can be used to daisy chain multiple stages together to control simultaneously. |
| <b>Operating Temperature (°C):</b><br>0 - 50                                                                                                                                                                                                                                                                     |
| <b>Parallelism (µm):</b><br><25                                                                                                                                                                                                                                                                                  |
| <b>Power Supply:</b><br>Power Supply Required and Sold Separately:<br>USA: <a href="#">#15-294</a><br>Europe: <a href="#">#15-294</a><br>Japan: <a href="#">#23-662</a><br>Korea: <a href="#">#33-773</a><br>China: <a href="#">#15-294</a>                                                                      |
| <b>Repeatability (µm):</b><br><3                                                                                                                                                                                                                                                                                 |
| <b>Resolution (µm):</b><br>0.05                                                                                                                                                                                                                                                                                  |
| <b>Speed (mm/s):</b><br>0.00003 to 26                                                                                                                                                                                                                                                                            |
| <b>Type of Motor:</b><br>2-Phase Stepper                                                                                                                                                                                                                                                                         |
| <b>Weight (kg):</b><br>0.37                                                                                                                                                                                                                                                                                      |
| <b>Computer Interface:</b><br>USB with <a href="#">#15-295</a><br>RS-232 with <a href="#">#15-297</a>                                                                                                                                                                                                            |
| <b>Maximum Operating Current (mA):</b><br>350                                                                                                                                                                                                                                                                    |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |