



STANDARD FEATURES

Stage	Linear Stage
Travel	50mm to 300mm
Motor	Ironless Core Linear Motor
Feedback	Non-Contact Optical Encoder
Scale	Gold Tape Scale Optional: Near Zero CTE ZeroMet
Resolution	1Vp-p Analog Output (5nm with 4096 Interpolation) Digital Output Options: 5um, 1um, 0.5um, 0.2um, 100nm, 50nm, 20nm**, 10nm**, and 5nm** (* Reduced Speeds Apply)
Sensors	Integrated Home and End of Travel Limits
Bearings	High Precision Crossed Roller Bearings
Cables	High Flex, 10M Cycle, 3m Length
Structure	Anodized Aluminum 6061-T6 Optional: Stainless Steel
Environment	Standard Optional: Clean Room and Vacuum (10-6 Torr)
Temperature	0°C to 50°C
Humidity	10% to 80% Non-Condensing
Precision	6-D Nano Precision™ Test Methods

TRAVEL	LENGTH	WIDTH	HEIGHT	A (inch)	B (inch)	C	D	E	F	G	H	I
50	168	120	40	6	3	100	100	50	60	60	M6 (4X)	M5 (6X)
100	244	120	45	9	3	100	100	50	60	75	M6 (4X)	M5
150	275	120	45	10	3	100	100	50	60	75	M6 (4X)	M5
200	340	154	46	13	3	80	100	50	75	100	M6 (8X)	M6
250	404	154	55	13	3	80	100	50	75	100	M6 (8X)	M6
300	506	178	65	15	3	100	100	50	75	100	M6 (8X)	M6

* All units millimeters unless otherwise noted.
* All hole patterns centered on M5 dowel pin hole at center of stage.
* Custom and larger sizes available.

ALIO INDUSTRIES PROPRIETARY INFORMATION
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TITLE

AI-LM-(TRAVEL)00

SIZE

B

DWG NO

0010-08002

REV

004

SCALE

SEE NOTES

2

SHEET

1

OF

1

NOTE: MODEL AI-LM-10000 SHOWN.

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