



STANDARD FEATURES

Stage	Linear Stage
Travel	25mm to 150mm
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: 5µm, 1µm, 0.5µm, 0.2µm, 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	J
25	104	120	32	3	2	80	100	25	60	37.5	M4	M5	M4
60	130	120	32	4	2	80	100	50	60	37.5	M6 OR 1/4-20	M5	M5
100	190	120	32	6	2	80	100	50	60	75	M6 OR 1/4-20	M5	M5
150	229	120	32	6	2	80	100	50	60	75	M6 OR 1/4-20	M5	M5

* All units millimeters unless otherwise noted.

* All hole patterns centered on M5 dowel pin hole at center of stage.

ALIO INDUSTRIES PROPRIETARY INFORMATION
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TITLE

AI-CM-(TRAVEL)00

SIZE

0010-08003

DWG NO

REV

001

SCALE

SEE NOTES

1 OF 1

SHEET

1

ALIO STD TEMPLATE - REV 006

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3

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NOTE: MODEL AI-LM-10000 SHOWN.