



STANDARD FEATURES

Stage	Z Stage (Friction Drive)
Travel	25mm
Motor	Piezoelectric Ceramic Servo 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 Mark
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 (10-7 or 10-10 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	B	C	D	E
25	165	96	98	55	83	11.9	55	30

* All units millimeters unless otherwise noted.

* All hole patterns centered on M5 dowel pin hole at center of stage (if not otherwise indicated).

ALIO INDUSTRIES PROPRIETARY INFORMATION
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TITLE

AI-D8-(TRAVEL)00E-Z-CB

SIZE DWG NO

B 0010-08026

REV 001

FINISH SEE NOTES SCALE

ALIO STD TEMPLATE - REV 006 SHEET 1 OF 1

NOTE: MODEL AI-D8-2500E-Z-CB SHOWN.