

SOM-MS-8080

The SOM-MS-8080 is SmarAct's most compact microscope stage and offers travel ranges of 51 mm in the X and Y axes. The stage dimensions are 138 mm in length and width and 32.15 mm in height. Like all SmarAct microscope stages, the SOM-MS-8080 is based on SmarAct's high-precision SLC series linear stages and therefore offers the highest repeatability and nanometer resolution. The specimen holder is designed for easy specimen changing and can accommodate slides 76 mm long and between 25 and 26 mm wide.

The microscope stage's base plate is breadboard compatible. Cover plates as well as the stages themselves are highly customizable.
Travel X: 51 mm Travel Y: 51 mm Dimensions: 138 x 138 x 32.15 mm

	Mechanical
Travel [mm]	51 (X); 51 (Y)
Max. Normal Force [N]	≥ 20
Dimensions [mm]	138x 138 x 32.15
Weight [g]	480
	Open-loop
Open-Loop Resolution [nm]	<1
	Closed-Loop
Velocity [mm/s]	> 8
Sensor Resolution MCS2 [nm]	1 (S) 4 (L)
Uni-Directional Repeatability MCS2 [nm]	±80 (S), ±160 (L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability (H)CU [nm]	±1000 (L)
	Options
Material Options	Aluminum base as standard; Black anodized (-BK)
Vacuum Options	Upon request
Non-Magnetic Option	Upon request

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