

SOM-MS-808030

The SOM-MS-808030 is the larger one of SmarAct's microscope stages that offers vertical travel direction. The X and Y-axis travel ranges are 51 mm and 19 mm on the Z-axis. The stage's dimensions are 138 mm in length and width and 43.8 mm in height. Since the SOM-MS-808030 is based on SmarAct's SLC series linear stages, it offers highest closed-loop 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 base plate of the microscope stage is breadboard compatible. Cover plates as well as the stages themselves are highly customizable.
Travel X: 51 mm Travel Y: 51 mm Travel Z: 19 mm
Dimensions: 138 x 138 x 43.8 mm

	Mechanical
Travel [mm]	51 (X); 51 (Y); 19 (Z)
Max. Lift Force [N]	2
Dimensions [mm]	138 x 138 x 43.8 mm
Weight [g]	565
	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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