



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 16 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 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: 16 mm
Dimensions: 138 x 138 x 43.8 mm

	Mechanical
Travel [mm]	51 (X); 51 (Y); 16 (Z)
Max. Lift Force [N]	1,8
Dimensions [mm]	138x 138 x 43,8
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