

MiCube Kit

The MiCube Kit consists of three CLS-3232 positioners with nanometer sensors and amplified drives, as well as the required electronic components for control. The pre-assembled and adjusted system represents the central component of sample manipulation in the MiCube Super Resolution Microscope. The positioners are equipped with exchangeable drive units that ensure easy access to the heart of the positioner, the piezo drive. This makes maintenance an quick and easy task.
Control is via the MCS2, SmarAct's most versatile control system, which can be configured with or without integrated controls. Also included is a plug-in for the integration of Micro-Manager 2.0. Various interfaces are available on request.

The baseplate of the system is not included in the scope of delivery, but can of course be added upon request.
Kit for sample manipulation with 21 mm travel in three degrees of freedom and nm resolution.

	Mechanical
Degrees of Freedom	3
Stages used	CLS-3232-D-S (X, Y, Z)
Dimensions [mm]	65 x 65 x 59
Travel [mm]	21 (X), 21 (Y), 21 (Z)
Payload [N]	2.5
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S)
	Options
Material Options	Aluminum base as standard; Black anodized (-BK)

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