NanoPro 1.0 Kit

The NanoPro 1.0 kit consists of three SLC-1780 positioners with nanometer-precise sensors, amplified drives and the required electronic components for control. Using the included connectors, the positioners can be assembled into an XYZ system, which is the central component of sample manipulation in the NanoPro 1.0 Super Resolution Microscope.
Control is via the MCS2, SmarAct's most versatile control system, which allows easy plug-and-play integration into the NanoPro 1.0 software. Also included is a plug-in for Micro-Manager 2.0 integration. Various interfaces are available upon 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 51 mm travel in three degrees of freedom and nm resolution.

	Mechanical
Degrees of Freedom	3
Stages used	SLC-1780-D-S (X, Y, Z)
Travel [mm]	51 (X), 51 (Y), 51 (Z)
Payload [N]	2.5 (optional constant force spring available)
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S)
	Options
Material Options	Aluminum base as standard; Black anodized (-BK)

Copyright © 2026 SmarAct GmbH • All Rights Reserved.
SmarAct GmbH | Schuette-Lanz-Strasse 9 | 26135 Oldenburg | Germany T: +49 441 – 800 879 0 | Email: info-de@smaract.com