

SLC-2445-F - Closed-Loop Cryogenic Stage

The SLC-2445-F is the second compact positioning stage of SmarAct's Closed-Loop Cryogenic Stages. Its comparatively small footprint combined with its 29 mm travel range make it an ideal solution when larger travel ranges are required in relatively confined spaces. Like all of SmarAct's Closed-Loop Cryogenic Stages, it was specifically designed for fundamental materials sience and low-temperature quantum technologies like quantum computing.

Please feel cordially invited to contact our team for more information at +49 441 – 800 87 90 or via email at info@smaract.com.
Travel range: 29 mm Length: 45 mm Closed-loop resolution: 0.5 nm

	Mechanical
Travel [mm]	29
Scan Range [µm]	~ 1 @ 4 K; 5 @ 300 K
Blocking Force [N]	≥ 2
Max. Normal Force [N]	30
Max. Lift Force [N]	≥ 1
Dimensions [mm]	45 x 28 x 14
Weight [g]	80
	Closed-Loop
Velocity [mm/s]	> 1 @ 4 K; > 20 @ 300 K
Open-Loop Resolution [nm]	< 0.5
Uni-Directional Repeatability MCS2 [nm]	± 25
Uni-Directional Repeatability, 1 mm Travel MCS2 [nm]	5
	Options
Vacuum Options	UHV (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)

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