

SLC-2430-F - Closed-Loop Cryogenic Stage

The SLC-2430-F is the most compact positioning stage of SmarAct's closed-loop cryogenic stages. Due to its small dimensions, it is particularly suitable for cryogenic applications with space constraints. In combination with its unrivaled positioning performance it becomes of unmatched unique value in low-temperature quantum technologies like quantum computing.

Please feel always invited to contact our team for more information at +49 441 – 800 87 90 or via email at info@smaract.com.
Travel range: 16 mm Length: 30 mm Closed-loop resolution: 0.5 nm

	Mechanical
Travel [mm]	16
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]	30 x 28 x 14
Weight [g]	60
	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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