



### 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 cordially invited to contact our team for more information at +49 441 – 800 87 90 or via email at [info@smaract.com](mailto: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
Resolution [nm]	< 0.5
Closed-Loop Repeatability, Full Stroke MCS2 [nm]	± 25
Closed-Loop Repeatability, 1 mm Travel MCS2 [nm]	5
	Options
Vacuum Options	HV (1E-6 mbar); UHV / UHVT (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)