

SLC-2460-F - Closed-Loop Cryogenic Stage

The SLC-2460-F is the second largest positioning stage of SmarAct's Closed-Loop Cryogenic Stages. With a travel range of 35 mm, it is particularly suited for positioning tasks over longer distances. As it is specifically designed for applications in low-temperature quantum technologies, it offers unmatched closed-loop positioning performance under cryogenic conditions.

Please feel free to contact our team for more information at +49 441 – 800 87 90 or via email at info@smaract.com.
Travel range: 35 mm Length: 60 mm Closed-loop resolution: 0.5 nm

	Mechanical
Travel [mm]	35
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]	60 x 28 x 14
Weight [g]	110
	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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