



SLC-1720 - 线性压电位移台

SLC-1720 是 SmarAct SLC-17 系列中最小的纳米级精密线性平台。它的尺寸为 22 x 17 x 8.5 mm，是世界上最小的闭环压电平台，具有纳米分辨率和宏观行程范围。

请注意，该线性压电平台的可下载文件显示的是配备 S 位置传感器、用于大气或高压环境的 1720 的尺寸和规格。如需了解其他变体的技术图纸和详细规格，如 UHV 兼容平台、具有更高阻挡力的平台或其他传感器选件，请联系我们的销售团队。

行程范围 12 毫米 长度：22 毫米 重量：13 克

	Mechanical
Scan Range [µm]	> 1.3
Travel [mm]	12
Blocking Force [N]	≥ 3.5
Max. Normal Force [N]	10
Max. Lift Force [N]	> 1.5
Dimensions [mm]	22 x 17 x 8.5
Weight [g]	13
	Open-loop
Velocity [mm/s]	> 20
Open-Loop Resolution MCS2 [nm]	< 1
Open-Loop Resolution (H)CU [nm]	< 50
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S), 4 (L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability MCS2 [nm]	± 40 (S,L)
Uni-Directional Repeatability (H)CU [nm]	± 200 (L)

	Options
Material Options	Aluminum base as standard; Steel base (-ST); Titanium base (-TI); Black anodized (-BK)
Mechanical Options	U-shaped base for higher mechanical strength (-W): width is 6mm larger; cage-creep-free guideways (-Z)
Performance Options	Higher blocking force (-D): +1.5 N
Cryogenic Option	Yes (only open loop, travel restricted to 6 mm)
Vacuum Options	HV (1E-6 mbar); UHV (1E-11 mbar)
Non-Magnetic Option	Yes, changes of the slide hole pattern apply: all threaded holes