

## SLC-1750 - 线性压电位移台

SLC-1750 的行程范围为 31 mm，法向力为 30 N，尺寸为 50 x 17 x 8.5 mm。

请注意，该线性压电平台的可下载文件显示的是 SLC-1750 的尺寸和规格，适用于大气或高压环境，配备 S 位置传感器。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，请随时与我们联系。
行程范围 31 毫米 长度：50 毫米 重量：32 克

| | Mechanical |
|---|---|
| Scan Range [µm] | > 1.3 |
| Travel [mm] | 31 |
| Blocking Force [N] | ⩾ 3.5 |
| Max. Normal Force [N] | 30 |
| Max. Lift Force [N] | > 1.5 |
| Dimensions [mm] | 50 x 17 x 8.5 |
| Weight [g] | 32 |
| | **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** |


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**SmarAct GmbH** | Schuette-Lanz-Strasse 9 | 26135 Oldenburg | 德国 T: +49 441 – 800 879 0 | 电子邮箱：info-de@smaract.com

| | |
|---|---|
| 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 6 mm larger; cage-creep-free guideways (-Z) |
| Performance Options | Higher blocking force (-D): +1.5 N |
| Cryogenic Option | Yes (only open loop, travel restricted to 31 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 |


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**SmarAct GmbH** | Schuette-Lanz-Strasse 9 | 26135 Oldenburg | 德国 T: +49 441 – 800 879 0 | 电子邮箱：info-de@smaract.com