



压电扫描台-SCANNER

最低温度~30 mK，最高磁场~16 Tesla，超高真空~5E-11 mbar

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压电扫描台， 技术参数 (Scanner, Specification)

	Scanner16 - xxx	Scanner25 - xxx	Scanner55 - xxx
底座 (Footprint)	16 mm * 16 mm	25 mm * 25 mm	55 mm * 55 mm
高度 (Height)	Scanner16-XY: 8.5 mm Scanner16-Z: 12 mm	Scanner25-XY: 13.5 mm Scanner25-Z: 12 mm	Scanner55-XY: 15 mm Scanner55-Z: 12 mm
扫描维度 (Scanning Axes)	Scanner16-XY: X, Y Scanner16-Z: Z	Scanner25-XY: X, Y Scanner25-Z: Z	Scanner55-XY: X, Y Scanner55-Z: Z
材料 (Materials)	纯Ti & 铍铜, Pure Ti & BeCu PZT陶瓷, PZT Ceramic 纯铜双绞线, Twisted Copper Wires (20 cm)		
电缆 (Wire & Pins)	每个扫描维度2 pins; 2 pins for each axis		
行程 (Travel Range) @ 300 K	30 um * 30 um	55 um * 55 um, 55 um	120 um * 120 um
空间扫描分辨 (Resolution)	0.3 nm		
驱动电压 (Drive Voltage)	Max. 120 V @ 300 K; Max. 200 V @ 4 K;		
线性度误差 (Linearity Error)	Typical ~ 0.1%		
可重复性 (Repeatability)	< 10 nm		
最大负载 (Load)	100 g	200 g	500 g
电容(Capacitance) @ 300 K	0.1 uF	0.6 uF	1.5 uF
重量 (Weight)	Scanner16-XY: 8 g	Scanner25-XY: 23 g Scanner25-Z: 20 g	
关键尺寸图 (Schematic) —XY			

	Scanner16 - xxx	Scanner25 - xxx	Scanner55 - xxx
关键尺寸图 (Schematic) --Z			
可选组件 (Options)			<ul style="list-style-type: none"> ▶ 可定制台面通孔，搭配物镜或者样品透射实验 ▶ 可定制高负载扫描台，Max. 2 kg ▶ 可定制更长行程