



PLF5252-x.200

[SMARFLEX](#) nanopositioning scanner stages uses the advantages of piezo-driven mechanical flexures to realize highly precise positioning tasks up to several 100 μm .

The PLF5252-x.200 offers a scan range of over 200 μm in the X direction. At 90 g, it is very light and also quite compact at 52 x 52 x 15 mm.

Scan Range: > 200 μm Scan Direction: X Dimensions: 52 x 52 x 15 mm

	Mechanical
Stiffness [N/ μm]	0,1
Scan Range [μm]	> 200
Max. Normal Force [N]	5.0
Dimensions [mm]	52 x 52 x 15
Weight [g]	90
	Material
Base Material	Titanium(-Ti) / Aluminum base (-Al)
	Open-loop
Open-Loop Resolution MCS2 [nm]	MCS2: <1
	Closed-Loop
Sensor Resolution MCS2 [nm]	MCS2: 1 (S)
	Options
Vacuum Options	HV (10 ⁻⁶ mbar)
Non-Magnetic Option	Yes (- NM)