

940-0080**VACUUM COMPATIBLE MOTORIZED VERTICAL DRIVE OPTICAL MOUNT WITH DC MOTOR**



Vacuum Compatible Motorized Vertical Drive Mirror Mounts with DC motor 940-0080 are designed to minimize mount-induced wavefront distortions. In conventional mounts, a side screw tightens the mirror. Radial forces acting on the mirror induces parasitic wavefront distortion, such as astigmatism.

940-0080 mirror mounts use secure 3-points mirror suspension in between frontal flat spring and the back plate. Uniformly distributed axial forces eliminate wavefront distortion. Due thermal processes on optic holding part, all metal inner tensions were removed and part makes none micro movements.

These mounts are ideal for industrial applications in different optical devices (laser cavities, optical sub-assemblies, limited space applications) because of their long-term stability.

- 1" or 2" optics diameter
- Stainless steel
- Compact/robust design
- Super stable
- Manual version available

SPECIFICATIONS

	940-0080-01	940-0080-02
Optics diameter	25,4 mm	50,8 mm
Clear aperture	23 mm	48 mm
Tilt/Tip range	$\pm 2,5^\circ$	
Angular Resolution by horizontal by vertical	1,5 arcsec 1,75 arcsec. in the middle tilt of platform	1 arcsec 1,25 arcsec. in the middle tilt of platform
Installed actuators	2 x 970-0067-15V	
Lead screw pitch	0.25 mm	
Cable	1,2 m length cable included	

Motor connector	HDB15(M)
DC motor	DCE1841
Optocoupler end limit switches	2 per actuator
Recommended controller	980-0060-USB

Code	Description	Price
940-0080-01	Mount for Ø25,4 mm (1") optics with DC motor	868 €
940-0080-02S	Mount for Ø50.8 mm (2") 8 mm thickness optics with DC motor	964 €
940-0080-02L	Mount for Ø50.8 mm (2") 12,7 mm thickness optics with DC motor	964 €