

MK 25**Miniature Monomode Coupler MK 25
with piezo electric inertial motor****Specifications**

- Piezo driven step motor with low hysteresis
- holds reached position without current
- aspherical lenses with different NA
- optical height 20 mm
- 2 mm travel in xyz
- different fibre couplers
- step width about 200 nm
- positioning accuracy better than 100 nm
- velocity up to 0.5 mm/s
- CNC-machined aluminium body
- no limit switches necessary
- vacuum preparation optionally
- customized designs possible
- driven by hand-held (CN.030.0001)
or USB controller (CU.030.xx0x)

Application Examples

- Micro-/Nano Technology
- Bio Technology
- Microscopy
- Telecommunication
- Metrology
- R & D

Technical Data

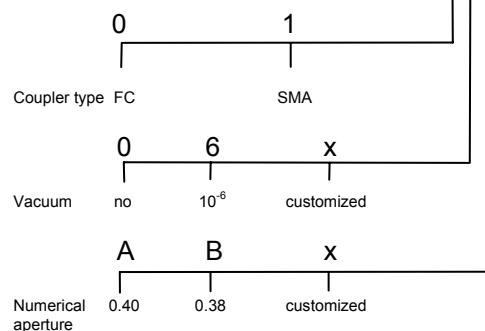
Travel:	2 mm in xyz
Max. speed:	2 mm/s (depends on controller)
Optical height:	20 mm
Mass:	58 g

Resolution (calculated)

Single step	~ 200 nm
1/16-step (with controller CU 30)	~ 15 nm
Half step	~ 100 nm
Double step (with controller CN 30)	~ 400 nm

Lens type

Type A:	
Numerical aperture	0.40
Clear aperture	3.7 mm
Focal length	4.60 (670 nm) 4.64 (785 nm)
Type B:	
Numerical aperture	0.38
Clear aperture	2.5 mm

**Miniature Monomode-
Coupler MK 25****Part no.****MK.025.1□□□**

Dimensions of the Monomode Coupler MK 25