



## Motorised Cryostat Mount 5106.20M

The motorised XYZ-cryostat mount enables the highly precise positioning of an ARS- (APD-) cryostat or a goniometer head mount within the Euler cradle system 512.1. Integrated in the Phi-circle of the Euler cradle, its compact design enables a rotational range of 180°.

The use of high-quality stainless steel in combination with high-precision linear guides and high-resolution transmissions ensure optimal specification values.

The independent XY-translations are sinusoidally moved by eccentric drives. The XY-adjustment range is +/- 2 mm, the Z adjustment range is +/- 3mm. The resolution of all three translational directions is in the sub-μ range.

### Technical data motor:

Number of phases:	2
Connector type:	Sub D15
No. of steps [steps./rev.]:	200/400
Rated current [A]:	1.2
Gear box ratio:	50:1
Insulation class:	B
Cable length [m]:	0.5

### Included

- counter weight
- key
- scale



### Specifications:

Material (housing):	stainless steel
Adjustment range X [mm]:	+/- 2
Adjustment range Y [mm]:	+/- 2

Adjustment range Z [mm]: +/- 3

Weight [kg]: 5

Resolution [ $\mu\text{m}$ ]: < 1

