Introduction

XD106.XYZ200K piezo stage moves in XYZ, and is designed for cryogenic, vacuum and non-magnetic environment applications. It also features a 50mm

diameter aperture.



XYZ axes XD106.XYZ200K Cryogenic, Vacuum, Non-Magnetic Piezo Stage



- XYZ motion
- With aperture
- Open-loop motion control
- Low Temperature Vacuum-compatible Non-Magnetic

Applications >>

- Semiconductor processing
- Semiconductor inspection
- High precision testing and operation
- Other nano motion control that requires vacuum and non-magnetic requirements, etc.

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Technical Data >>

Types	XD106.XYZ200K	Units
Active axes	ΧYΖ	
Nominal travel(0~150V)	XY200, Z100	µm±10%, room temperature
Travel(0~150V)	XY80, Z50	µm±10%, 100K tempreture
Resolution	2	nm
Unloaded resonant frequency	X180/Y180/Z250	Hz±20%
Resonant frequency @200g	X140/Y140/Z200	Hz±20%
El.capacitance	XY3.6, Z7.2	μF±20%
Material	Titanium	
Load capacity	700	g
Mass	1360	g±5%
Operating temperature ^[1]	-173~80	°C
Cable length ^[2]	1.5	m±10mm
Connector ^[2]	-	

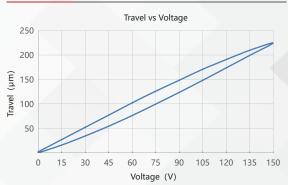
Note: Max driving voltage could be -20V~150V, 0~120V is recommended for long-term and high-reliable operation.Unless otherwise specified, the above parameters are measured at room temperature about 25° C.

[1] Custom ultralow temperature and ultrahigh vacuum versions are available.[2] Custom cable length and connector is available.

Note: The parallelism of the moving platform is about 20μ m, and the roughness is about 1.6 to 3.2. Please contact the sales engineer for confirmation before purchase.

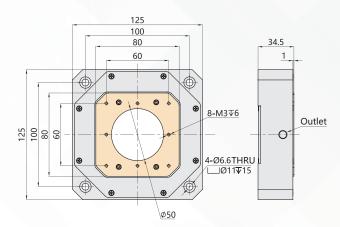
Make Your Motion and Control More Accurate!

Curves >>



Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

Drawing >>



Recommended Controllers >>



E01.D3 LCD, membrane button, up to 625mA RS-232/RS-422/USB interface Software secondary development

E70 Small size, 70mA/channel RS-232/RS-422/USB interface Software secondary development

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