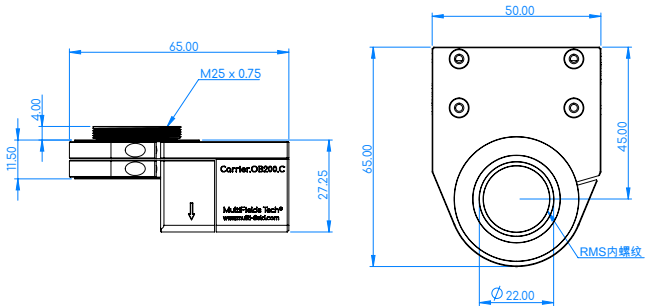


Objective Z Scanner — Carrier.OB.C

For Optical Microscopy

- ➔ Feature
- Piezo Stack Driving
 - Flexure Guiding
 - Sub-nanometer Resolution
 - CAP Sensor, Close-loop Control
 - Auto Focus Option

➔ Photo & Drawing



➔ Specification

	Carrier.OB100.C	Carrier.OB200.C	Carrier.OB400.C
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1	Optional	.NM, Non-magnetic; .HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;		
2	Motion Direction	Z		
3	Travel Range	100 μm	200 μm	400 μm
4	Pitch/Yaw	±10 μrad	±20 μrad	±30 μrad
5	Linearity	0.03%		
6	Resolution (Open-loop)	0.2 nm	0.4 nm	0.8 nm
7	Resolution (Close-loop)	1 nm	3 nm	5 nm
8	Repeatability	10 nm		
9	Sensor Type	Capacitive		
10	Response Time	15 ms	19 ms	24 ms
11	Stiffness	0.5 N/μm	0.35 N/μm	0.25 N/μm
12	Resonant Frequency (no load)	600 Hz	480 Hz	380 Hz
13	Resonant Frequency (150 g)	250 Hz	220 Hz	165 Hz
14	Mass	270 g		350 g
15	Material	Stainless Steel, Aluminum		
16	Working Temperature	15 ~ 40 °C		
17	Controller	MC-Archimedes.N		

* For detail drawing and 3D model please contact us.