

The OSDVIA-T series is a high-performance active vibration isolation system. Its auto leveling/locking systems and LCD display make it very user friendly.

When used in conjunction with the Acoustic Enclosure, the OSDVIA-T series reduces environmental noise and vibration for highly sensitive experiments.



OSDVIA-T45



OSDVIA-T56

■ Features

- Easy to Installation & Operation :
 - ▷ Auto Locking & Leveling Systems
 - ▷ LCD Display
- Robust Control by High-Performance Digital Controller
- Excellent Isolation Performance for the Micro-Vibration in the range of low-frequency
- No compressed air supply required
- Option : Acoustic Enclosures

■ Applications

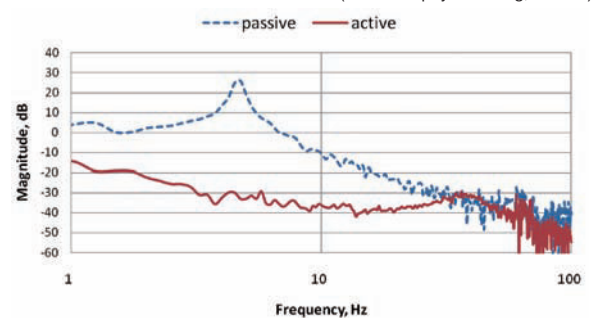
- Atomic Force Microscopes
- Scanning Probe Microscopes
- Interferometers
- Other Ultra-Precision Measurement Systems

Specifications

Part Number	OSDVIA-T45	OSDVIA-T56	OSDVIA-T67
Dimensions [mm]	(W)420 × (D)500 × (H)93	(W)500 × (D)600 × (H)93	(W)600 × (D)700 × (H)93
Max. Load Capacity [kg]	10 – 100	10 – 100	10 – 100
Weight [kg]	25	32	40
Actuator	Using Electro-Magnetic Force		
Controlled degrees of Freedom	6		
Isolation Performance	-35dB – -40dB/10Hz		
Settling Time	<0.5sec		
Control Force	Vertical >7N, Horizontal >3N		
Input Voltage [V]	AC85 – 264 / 50 – 60Hz		
Power Consumption [W]	< 36		
Temperature [°C]	5 – 50		
Humidity [%]	20 – 90		
Top plate	Solid Aluminum / M6 mounting holes		
System Configuration	Controller and vibration isolator unit integrated type		
Active Control Range	about 0.5Hz – 100Hz		
Initial Horizontal Adjustment	Automatic adjustment		
Lock when moving	Automatic locking mechanism		
Confirmation of Vibration Isolation Status	Displayed on the front monitor		

Transmissibility Curves

(under the payload 50kg, vertical)



Application Systems

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