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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)

