

DAEIL

Vibration Isolation Systems

DVIA-T series

Active-Vibration Isolation Systems

DVIA-T series is the best active vibration isolation system equipped with the high-performance digital controller that we have developed independently for years, it adopts an advanced control scheme which is robust against variations on system parameters. And it maximizes users' convenience by being equipped with the LCD display and auto leveling/locking systems. When using it together with its exclusive Acoustic Enclosure (DAE series), DVIA-T series provides the optimal environment of measurement which can simultaneously resolve problems caused by the environmental noise and vibration.



Features

- Easy Installation & Operation :
 - ▷ After Power ON, Only Switch On/Off Action required
 - ▷ Auto Locking & Leveling Systems
 - ▷ LCD Display
- Modest Design
- 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

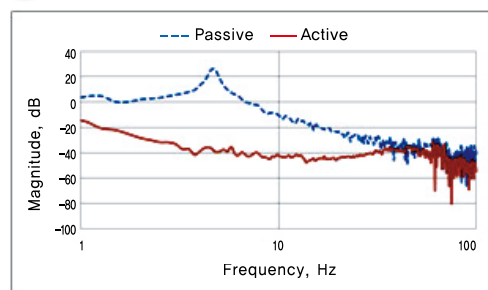
Specifications

- Actuator : Voice Coil Motor (VCM)
- Controlled Degrees of Freedom : 6
- Active Control Range : 0.5~100Hz
- Isolation Performance : -35dB~-40dB/10Hz
- Settling Time : < 0.5 sec
- Control Force : Vertical > 7N, Horizontal > 3N
- Input Voltage [V] : AC 85~264/50~60Hz
- Power Consumption [W] : < 36
- Top Plate : Solid Aluminum/M6 mounting holes (option)
- System Configuration : Controller and vibration isolator unit integrated type
- Initial Horizontal Adjustment : Automatic adjustment
- Lock when moving : Automatic locking mechanism
- Confirmation of Vibration Isolation Status : Displayed on the front monitor

Applications

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

Transmissibility Curves (Under the Payload 50kg, Vertical)



Ordering Chart

Model No.	DVIA-T45	DVIA-T56	DVIA-T67	DVIA-T78
Dimensions [mm] (WxDxH)	420x500x93	500x600x93	600x700x93	700x800x95
Max. Load Capacity [kg]	100	100	90	80
Weight [kg]	25	32	40	50