

Active Electronic Vibration Isolation

8001 Series Vibration Free Platform



Features/Benefits:

- Active Feedback Control system provides fast response and control
- Isolation of all six translational and rotational modes of vibration
- Ultra low natural frequency < 1 Hz
- No low frequency resonance
- Isolation beginning at < 1 Hz, increasing rapidly to 40 dB at 10Hz
- 500 times stiffer than air tables
- Automatic leveling
- Compact, lightweight, ergonomic design

Introducing the 8001 Series active vibration isolation system. A compact lightweight tabletop system that senses and responds to disturbances providing superior isolation compared to standard passive isolation systems. A precise automatic level adjustment mechanism adjusts for varying loads without user reconfiguration.

The 8001 Series offers the ultimate performance for a wide range of high resolution instruments such as atomic force microscopes, interferometer and microscopy.

Specifications

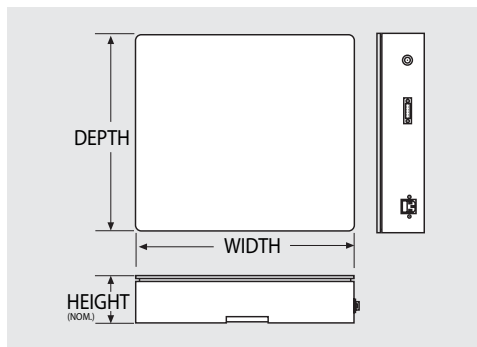
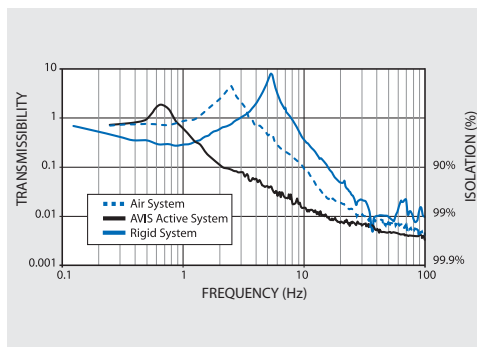
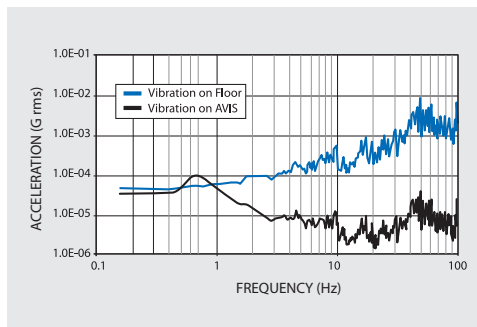
Load Capacity

- 01 = 330 lbs
- 02 = 300 lbs
- 03 = 264 lbs
- 04 = 600 lbs

Size = See Ordering Information

Natural Frequency	0.7 Hz
Isolation Efficiency @ 2Hz	90%
Isolation Efficiency @ 5Hz	94%
Isolation Efficiency @ 10Hz	99%

Performance Data



Ordering Information

8001 -

Tabletop Size

- 01 = 16" (406mm) x 18" (457mm) x 3.75" (95mm)
 - 02 = 20" (508mm) x 24" (609mm) x 4.75" (121mm)
 - 03 = 24" (609mm) x 31" (787mm) x 5.75" (146mm)
 - 04* = 24" (609mm) x 31" (787mm) x 5.75" (146mm)
- *High Load Capacity (See specifications at left).

Tabletop Description

- 11 = White Plastic Laminate
- 12 = Ferromagnetic Stainless Steel
- 13 = Black Plastic Laminate
- 14 = White Anti-static Laminate
- 21 = 1/4"-20 x 1" Centers Aluminum Plate
- 25 = 1/4"-20 x 0.5" Centers Aluminum Plate MaxxAlign
- 31 = M6 x 25mm Centers Aluminum Plate
- 35 = M6 x 12.5mm Centers Aluminum Plate MaxxAlign

Note: See Pages 18 and 20 for Tabletop Options and Accessories

